PTO/SB/05 (09-04)
Approved for use through 07/31/2006. OMB 0651-0032
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	03956.053800.2
First Inventor	Michael Joseph Sofia
Title	NUCLEOSIDE PHOSPHORAMIDATE PRODRUGS
Express Mail Label No.	

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application

ADDRESS TO: **Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450**

☐ 1. **Fee Transmittal Form** (e.g., PTO/SB/17)
(submit an original and a duplicate for fee processing)

☐ 2. **Application claims small entity status.**
See 37 CFR 1.27.

☒ 3. **Specification** [Total Pages 736]
Both the claims and abstract must start on a new page
(For information on the preferred arrangement, see MPEP 608.01(a))

☐ 4. **Drawing(s)** (35 U.S.C. 113) [Total Sheets]

☒ 5. **Oath or Declaration** [Total Sheets 4]
a. ☐ Newly executed (original or copy)
b. ☒ A copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

☒ 6. **Application Data Sheet.** See 37 CFR 1.76

☐ 7. **CD-ROM or CD-R** in duplicate, large table or ☐ Computer Program *(Appendix)*
Landscape Table on CD

☐ 8. **Nucleotide and/or Amino Acid Sequence Submission**
(if applicable, items a. - c. are required)
a. ☐ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies) ; or
ii. ☐ Paper
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ **Assignment Papers** (cover sheet & document(s))
Name of Assignee

10. ☐ **37 CFR 3.73(b) Statement** *(where there is an assignee)* ☒ **Power of Attorney**

11. ☐ **English Translation Document** *(if applicable)*

12. ☐ **Information Disclosure Statement** (PTO/SB/08 or PTO-1449)
☐ Copies of citations attached

13. ☒ **Preliminary Amendment**

14. ☐ **Return Receipt Postcard** (MPEP 503)
(Should be specifically itemized)

15. ☐ **Certified Copy of Priority Document(s)**
(if foreign priority is claimed)

16. ☐ **Nonpublication Request** under 35 U.S.C. 122(b)(2)(B)(i).
Applicant must attach form PTO/SB/35 or equivalent.

17. ☐ Other:

18. If a CONTINUING APPLICATION, *check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:*

Continuation ☒ Divisional ☐

Prior application No.: U.S. Patent Application No. 13/099,671

19. CORRESPONDENCE ADDRESS

☒ The address associated with Customer Number: 104538 OR ☐ Correspondence address below

Name					
Address					
City		State		Zip Code	
Country		Telephone		Fax	
Signature	/Alicia A. Russo/		Date	September 11, 2012	
Name (Print/Type)	Alicia A. Russo			Registration No. (Attorney/Agent)	46,192

FCHS_WS 8128047v1.doc

Electronic Patent Application Fee Transmittal	
Application Number:	
Filing Date:	
Title of Invention:	NUCLEOSIDE PHOSPHORAMIDATE PRODRUGS
First Named Inventor/Applicant Name:	Michael Joseph Sofia
Filer:	Erin Julia Daida Austin/Maria Miglio
Attorney Docket Number:	03956.053800.2
Filed as Large Entity	

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Utility application filing	1011	1	380	380
Utility Search Fee	1111	1	620	620
Utility Examination Fee	1311	1	250	250
Pages:				
Utility Appl Size fee per 50 sheets >100	1081	10	310	3100
Claims:				
Independent claims in excess of 3	1201	9	250	2250
Miscellaneous-Filing:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		6600

Electronic Acknowledgement Receipt	
EFS ID:	13707635
Application Number:	13609614
International Application Number:	
Confirmation Number:	5143
Title of Invention:	NUCLEOSIDE PHOSPHORAMIDATE PRODRUGS
First Named Inventor/Applicant Name:	Michael Joseph Sofia
Customer Number:	104538
Filer:	Erin Julia Daida Austin/DAVID NGUY
Filer Authorized By:	Erin Julia Daida Austin
Attorney Docket Number:	03956.053800.2
Receipt Date:	11-SEP-2012
Filing Date:	
Time Stamp:	12:53:26
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$6600
RAM confirmation Number	11995
Deposit Account	503939
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	03956053800-2ADS.PDF	1089570	no	5
Warnings:					
Information:					
2	Oath or Declaration filed	03956053800-2OathDeclaration.PDF	226594	no	4
Warnings:					
Information:					
3	Power of Attorney	03956053800-2POA.PDF	92068	no	3
Warnings:					
Information:					
4		03956053800-2PreliminaryAmendment.PDF	80231	yes	3

Multipart Description/PDF files in .zip description

Document Description	Start	End
Preliminary Amendment	1	1
Specification	2	2
Applicant Arguments/Remarks Made in an Amendment	3	3

Warnings:					
Information:					
5		03956053800-2Spec.pdf	23232940	yes	736

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	679
Claims	680	735

	Abstract		736	736	
Warnings:					
Information:					
6	Transmittal of New Application	03956053800-2UtilityTransmittal.pdf	155108	no	1
Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	38013	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	24914524		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/14 (11-08)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	03956.053800.2
	Application Number	
Title of Invention	NUCLEOSIDE PHOSPHORAMIDATE PRODRUGS	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Applicant Information:

Applicant 1 Remove

Applicant Authority	◉ Inventor	○ Legal Representative under 35 U.S.C. 117	○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Michael	Joseph	Sofia	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Doylestown	State/Province	PA	Country of Residence [i]	US

Citizenship under 37 CFR 1.41(b) [i]: US

Mailing Address of Applicant:

Address 1	3066 Antler Drive		
Address 2			
City	Doylestown	State/Province	PA
Postal Code	18902	Country [i]	US

Applicant 2 Remove

Applicant Authority	◉ Inventor	○ Legal Representative under 35 U.S.C. 117	○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Jinfa		Du	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	New Hope	State/Province	PA	Country of Residence [i]	US

Citizenship under 37 CFR 1.41(b) [i]: US

Mailing Address of Applicant:

Address 1	1206 Reins Circle		
Address 2			
City	New Hope	State/Province	PA
Postal Code	18938	Country [i]	US

Applicant 3 Remove

Applicant Authority	◉ Inventor	○ Legal Representative under 35 U.S.C. 117	○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Peiyuan		Wang	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Totowa	State/Province	NJ	Country of Residence [i]	US

PTO/SB/14 (11-08)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	03956.053800.2
	Application Number	
Title of Invention	NUCLEOSIDE PHOSPHORAMIDATE PRODRUGS	

Citizenship under 37 CFR 1.41(b) i	US				
Mailing Address of Applicant:					
Address 1	42 Continental Circle				
Address 2					
City	Totowa	**State/Province**	NJ		
Postal Code	07512	**Country**i	US		

Applicant 4 Remove

Applicant Authority (•) Inventor ( ) Legal Representative under 35 U.S.C. 117 ( ) Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Dhanapalan		Nagarathnam	

Residence Information (Select One) (•) US Residency ( ) Non US Residency ( ) Active US Military Service

City	Bethany	**State/Province**	CT	**Country of Residence** i	US
Citizenship under 37 CFR 1.41(b) i	US				
Mailing Address of Applicant:					
Address 1	52 Virginia Rail Drive				
Address 2					
City	Bethany	**State/Province**	CT		
Postal Code	06524	**Country**i	US		

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	104538		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	NUCLEOSIDE PHOSPHORAMIDATE PRODRUGS		
Attorney Docket Number	03956.053800.2	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		**Sub Class (if any)**	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)		**Suggested Figure for Publication (if any)**	

PTO/SB/14 (11-08)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	03956.053800.2
	Application Number	
Title of Invention	NUCLEOSIDE PHOSPHORAMIDATE PRODRUGS	

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	**Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S. C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Enter either Customer Number or complete the Representative Name section below. If both sections are completed the Customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	104538		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation of	13099671	2011-05-03

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13099671	Continuation of	12053015	2008-03-21	7964580	2011-06-21

Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
12053015	non provisional of	60982309	2007-10-24

Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
12053015	non provisional of	60909315	2007-03-30

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

PTO/SB/14 (11-08)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	03956.053800.2
	Application Number	
Title of Invention	NUCLEOSIDE PHOSPHORAMIDATE PRODRUGS	

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).

Remove

Application Number	Country [i]	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			◯ Yes ◉ No

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

Assignee Information:

Providing this information in the application data sheet does not substitute for compliance with any requirement of part 3 of Title 37 of the CFR to have an assignment recorded in the Office.

Remove

Assignee 1

If the Assignee is an Organization check here. ☒

Organization Name	Gilead Pharmasset LLC		
Mailing Address Information:			
Address 1	c/o Gilead Sciences, Inc.		
Address 2	333 Lakeside Drive		
City	Foster City	**State/Province**	CA
Country [i] US		Postal Code	94404
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the **Add** button. Add

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.

Signature	/Alicia A. Russo/			Date (YYYY-MM-DD)	2012-09-11
First Name	Alicia	Last Name	Russo	Registration Number	46192

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Gilead Exhibit 2017
PGR2023-00046 - Page 0011

Attorney Docket No. 60137.0034USU1

MERCHANT & GOULD P.C.

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: NUCLEOSIDE PHOSPHARAMIDATE PRODRUGS

The specification of which
a. ☐ is attached hereto
b. ☒ was filed on MARCH 21, 2008 as application serial no. 12/053,015 and was amended on
(if applicable) (in the case of a PCT-filed application) described and claimed in international no. filed
and as amended on (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

a. ☒ no such applications have been filed.
b. ☐ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)
60/909,315	30 MARCH 2007
60/982,309	24 OCTOBER 2007

I acknowledge the duty to disclose information that is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (reprinted below):

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;

or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application:

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

(e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby appoint the attorney(s) and/or patent agent(s) associated with the following customer number to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

23552

PATENT TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/099,671	05/03/2011	Michael Joseph Sofia	60137.0034USC1

CONFIRMATION NO. 1344

104538
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POA ACCEPTANCE LETTER

OC000000053995276

Date Mailed: 05/01/2012

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/24/2012.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/ddinh/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

03956.053800.1 PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	:	Examiner: Patrick T. Lewis
MICHAEL JOSEPH SOFIA ET AL.	)	
	:	Art Unit: 1623
Application No.: 13/099,671	)	
	:	Confirmation No.: 1344
Filed: May 3, 2011	)	
	:	
For: NUCLEOSIDE PHOSPHORAMIDATE PRODRUGS	)	
	:	
	)	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REVOCATION AND NEW POWER OF ATTORNEY,
CHANGE OF CORRESPONDENCE ADDRESS AND
STATEMENT UNDER 37 CFR 3.73(B)

Sir:

I hereby revoke all previous powers of attorney given in the above-identified application. I hereby appoint practitioners associated with the Customer Number provided below to prosecute the application identified above and to transact all business in the Patent and Trademark Office connected therewith. Please change the correspondence address for the above-identified application to the address associated with the Customer Number provided below.

Fitzpatrick Cella Harper & Scinto (Gilead)
Customer Number: 104538
1290 Avenue of the Americas
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STATEMENT UNDER 37 C.F.R. 3.73(B)

Gilead Pharmasset LLC, a corporation duly organized under the laws of Delaware, states that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment in the patent application identified above from the inventors to Pharmasset, Inc. and by virtue of a name change and conversion from Pharmasset, Inc. to Gilead Pharmasset LLC. The assignment was recorded in the United States Patent and Trademark Office at Reel 020739, Frame 0883. The name change and conversion was recorded in the United States Patent and Trademark Office at Reel 028081, Frame 0686.

The undersigned is authorized to act on behalf of the assignee.

Date: 4-23-12 Signature: _____

Eric Voelk
Senior Counsel, Intellectual Property
Gilead Pharmasset LLC

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FCHS_WS 7658029v1.doc

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	:	Examiner: Unassigned
MICHAEL JOSEPH SOFIA ET AL.	)	
	:	Group Art Unit: Unassigned
Continuation of	)	
Application No.: 13/099,671	:	
	)	
Filed: Concurrently Herewith	:	
	)	
For: NUCLEOSIDE	:	
PHOSPHORAMIDATE	)	
PRODRUGS	:	September 11, 2012

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

Sir:

Prior to examination on the merits, please amend the application as follows.

Amendments to the Specification:

Please insert the following paragraph on page 1 after the title but before the sub-heading "Field of the Invention":

This application is a continuation of U.S. Patent Application No. 13/099,671, filed May 3, 2011, which is a continuation of U.S. Patent Application No. 12/053,015, filed March 21, 2008, now U.S. Patent No. 7,964,580, which claims priority under 35 U.S.C. § 119(e) to U.S. Provisional Application Nos. 60/909,315, filed March 30, 2007, and 60/982,309, filed October 24, 2007, all of which are hereby incorporated by reference in their entireties.

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REMARKS

The application is a continuation of U.S. Patent Application No. 13/099,671 filed May 3, 2011. The specification has been amended to include the continuity data for the application.

Applicants' undersigned attorneys may be reached in their New York office by telephone at (212) 218-2100. All correspondence should be directed to the address given below.

Respectfully submitted,

/Alicia A. Russo/
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NUCLEOSIDE PHOSPHORAMIDATE PRODRUGS

Field of Invention

The present invention pertains to nucleoside phosphoramidates and their use as agents for treating viral diseases. These compounds are inhibitors of RNA-dependent RNA viral replication and are useful as inhibitors of HCV NS5B polymerase, as inhibitors of HCV replication and for treatment of hepatitis C infection in mammals. The invention provides novel chemical compounds, and the use of these compounds alone or in combination with other antiviral agents for treating HCV infection.

Background

Hepatitis C virus (HCV) infection is a major health problem that leads to chronic liver disease, such as cirrhosis and hepatocellular carcinoma, in a substantial number of infected individuals, estimated to be 2-15% of the world's population. There are an estimated 4.5 million infected people in the United States alone, according to the U.S. Center for Disease Control. According to the World Health Organization, there are more than 200 million infected individuals worldwide, with at least 3 to 4 million people being infected each year. Once infected, about 20% of people clear the virus, but the rest can harbor HCV the rest of their lives. Ten to twenty percent of chronically infected individuals eventually develop liver-destroying cirrhosis or cancer. The viral disease is transmitted parenterally by contaminated blood and blood products, contaminated needles, or sexually and vertically from infected mothers or carrier mothers to their offspring. Current treatments for HCV infection, which are restricted to immunotherapy

with recombinant interferon-α alone or in combination with the nucleoside analog ribavirin, are of limited clinical benefit. Moreover, there is no established vaccine for HCV. Consequently, there is an urgent need for improved therapeutic agents that effectively combat chronic HCV infection.

The HCV virion is an enveloped positive-strand RNA virus with a single oligoribonucleotide genomic sequence of about 9600 bases which encodes a polyprotein of about 3,010 amino acids. The protein products of the HCV gene consist of the structural proteins C, E1, and E2, and the non-structural proteins NS2, NS3, NS4A and NS4B, and NS5A and NS5B. The nonstructural (NS) proteins are believed to provide the catalytic machinery for viral replication. The NS3 protease releases NS5B, the RNA-dependent RNA polymerase from the polyprotein chain. HCV NS5B polymerase is required for the synthesis of a double-stranded RNA from a single-stranded viral RNA that serves as a template in the replication cycle of HCV. Therefore, NS5B polymerase is considered to be an essential component in the HCV replication complex (K. Ishi, et al, *Heptology*, 1999, 29: 1227-1235; V. Lohmann, et al., *Virology*, 1998, 249: 108-118). Inhibition of HCV NS5B polymerase prevents formation of the double-stranded HCV RNA and therefore constitutes an attractive approach to the development of HCV-specific antiviral therapies.

HCV belongs to a much larger family of viruses that share many common features.

Flaviviridae Viruses

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The Flaviviridae family of viruses comprises at least three distinct genera: *pestiviruses*, which cause disease in cattle and pigs; *flavivruses*, which are the primary cause of diseases such as dengue fever and yellow fever; and *hepaciviruses*, whose sole member is HCV. The flavivirus genus includes more than 68 members separated into groups on the basis of serological relatedness (Calisher et al., *J. Gen. Virol*, 1993,70,37-43). Clinical symptoms vary and include fever, encephalitis and hemorrhagic fever (*Fields Virology*, Editors: Fields, B. N., Knipe, D. M., and Howley, P. M., Lippincott-Raven Publishers, Philadelphia, PA, 1996, Chapter 31, 931-959). Flaviviruses of global concern that are associated with human disease include the Dengue Hemorrhagic Fever viruses (DHF), yellow fever virus, shock syndrome and Japanese encephalitis virus (Halstead, S. B., *Rev. Infect. Dis.*, 1984, 6, 251-264; Halstead, S. B., *Science*, 239:476-481, 1988; Monath, T. P., *New Eng. J. Med*, 1988, 319, 64 1-643).

The pestivirus genus includes bovine viral diarrhea virus (BVDV), classical swine fever virus (CSFV, also called hog cholera virus) and border disease virus (BDV) of sheep (Moennig, V. et al. *Adv. Vir. Res.* 1992, 41, 53-98). Pestivirus infections of domesticated livestock (cattle, pigs and sheep) cause significant economic losses worldwide. BVDV causes mucosal disease in cattle and is of significant economic importance to the livestock industry (Meyers, G. and Thiel, H.J., Advances in Virus Research, 1996, 47, 53-118; Moennig V., et al, Adv. Vir. Res. 1992, 41, 53-98). Human pestiviruses have not been as extensively characterized as the animal pestiviruses. However, serological surveys indicate considerable pestivirus exposure in humans.

Pestiviruses and hepaciviruses are closely related virus groups within the Flaviviridae family. Other closely related viruses in this family include the GB virus A,

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GB virus A-like agents, GB virus-B and GB virus-C (also called hepatitis G virus, HGV). The hepacivirus group (hepatitis C virus; HCV) consists of a number of closely related but genotypically distinguishable viruses that infect humans. There are at least 6 HCV genotypes and more than 50 subtypes. Due to the similarities between pestiviruses and hepaciviruses, combined with the poor ability of hepaciviruses to grow efficiently in cell culture, bovine viral diarrhea virus (BVDV) is often used as a surrogate to study the HCV virus.

The genetic organization of pestiviruses and hepaciviruses is very similar. These positive stranded RNA viruses possess a single large open reading frame (ORF) encoding all the viral proteins necessary for virus replication. These proteins are expressed as a polyprotein that is co- and post-translationally processed by both cellular and virus-encoded proteinases to yield the mature viral proteins. The viral proteins responsible for the replication of the viral genome RNA are located within approximately the carboxy-terminal. Two-thirds of the ORF are termed nonstructural (NS) proteins. The genetic organization and polyprotein processing of the nonstructural protein portion of the ORF for pestiviruses and hepaciviruses is very similar. For both the pestiviruses and hepaciviruses, the mature nonstructural (NS) proteins, in sequential order from the amino-terminus of the nonstructural protein coding region to the carboxy-terminus of the ORF, consist of p7, NS2, NS3, NS4A, NS4B, NS5A, and NS5B.

The NS proteins of pestiviruses and hepaciviruses share sequence domains that are characteristic of specific protein functions. For example, the NS3 proteins of viruses in both groups possess amino acid sequence motifs characteristic of serine proteinases and of helicases (Gorbalenya et al., *Nature,* 1988, 333, 22; Bazan and Fletterick *Virology*

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, 1989,171,637-639; Gorbalenya et al., *Nucleic Acid Res.*, 1989, 17, 3889-3897). Similarly, the NS5B proteins of pestiviruses and hepaciviruses have the motifs characteristic of RNA-directed RNA polymerases (Koonin, E.V. and Dolja, V.V., *Crir. Rev. Biochem. Molec. Biol.* 1993, 28, 375-430).

The actual roles and functions of the NS proteins of pestiviruses and hepaciviruses in the lifecycle of the viruses are directly analogous. In both cases, the NS3 serine proteinase is responsible for all proteolytic processing of polyprotein precursors downstream of its position in the ORF (Wiskerchen and Collett, *Virology*, 1991, 184, 341-350; Bartenschlager et al., *J. Virol.* 1993, 67, 3835-3844; Eckart et al. *Biochem. Biophys. Res. Comm.* 1993,192, 399-406; Grakoui et al., *J. Virol.* 1993, 67, 2832-2843; Grakoui et al., *Proc. Natl. Acad Sci. USA* 1993, 90, 10583-10587; Hijikata et al., *J. Virol.* 1993, 67, 4665-4675; Tome et al., *J. Virol.*, 1993, 67, 4017-4026). The NS4A protein, in both cases, acts as a cofactor with the NS3 serine protease (Bartenschlager et al., *J. Virol.* 1994, 68, 5045-5055; Failla et al., *J. Virol.* 1994, 68, 3753-3760; Xu et al., *J. Virol.*, 1997, 71:53 12-5322). The NS3 protein of both viruses also functions as a helicase (Kim et al., *Biochem. Biophys. Res. Comm.*, 1995, 215, 160-166; Jin and Peterson, *Arch. Biochem. Biophys.*, 1995, 323, 47-53; Warrener and Collett, *J. Virol.* 1995, 69,1720-1726). Finally, the NS5B proteins of pestiviruses and hepaciviruses have the predicted RNA-directed RNA polymerases activity (Behrens et al., EMBO, 1996, 15, 12-22; Lechmann et al., *J. Virol.*, 1997, 71, 8416-8428; Yuan et al., *Biochem. Biophys. Res. Comm.* 1997, 232, 231-235; Hagedorn, PCT WO 97/12033; Zhong et al, *J. Virol.*, 1998, 72, 9365-9369).

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Currently, there are limited treatment options for individuals infected with hepatitis C virus. The current approved therapeutic option is the use of immunotherapy with recombinant interferon-α alone or in combination with the nucleoside analog ribavirin. This therapy is limited in its clinical effectiveness and only 50% of treated patients respond to therapy. Therefore, there is significant need for more effective and novel therapies to address the unmet medical need posed by HCV infection.

A number of potential molecular targets for drug development of direct acting antivirals as anti -HCV therapeutics have now been identified including, but not limited to, the NS2-NS3 autoprotease, the N3 protease, the N3 helicase and the NS5B polymerase. The RNA-dependent RNA polymerase is absolutely essential for replication of the single-stranded, positive sense, RNA genome and this enzyme has elicited significant interest among medicinal chemists.

Inhibitors of HCV NS5B as potential therapies for HCV infection have been reviewed: Tan, S.-L., et al., *Nature Rev. Drug Discov.*, 2002, 1, 867-881; Walker, M.P. et al., *Exp. Opin. Investigational Drugs*, 2003, 12, 1269-1280; Ni, Z-J., et al., *Current Opinion in Drug Discovery and Development*, 2004, 7, 446-459; Beaulieu, P. L., et al., *Current Opinion in Investigational Drugs*, 2004, 5, 838-850; Wu, J., et al., *Current Drug Targets-Infectious Disorders*, 2003, 3, 207-219; Griffith, R.C., et al, *Annual Reports in Medicinal Chemistry*, 2004, 39, 223-237; Carrol, S., et al., *Infectious Disorders-Drug Targets*, 2006, 6, 17-29. The potential for the emergence of resistant HCV strains and the need to identify agents with broad genotype coverage supports the need for continuing efforts to identify novel and more effective nucleosides as HCV NS5B inhibitors.

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Nucleoside inhibitors of NS5B polymerase can act either as a non-natural substrate that results in chain termination or as a competitive inhibitor which competes with nucleotide binding to the polymerase. To function as a chain terminator the nucleoside analog must be taken up by the cell and converted *in vivo* to a triphosphate to compete for the polymerase nucleotide binding site. This conversion to the triphosphate is commonly mediated by cellular kinases which imparts additional structural requirements on a potential nucleoside polymerase inhibitor. Unfortunately, this limits the direct evaluation of nucleosides as inhibitors of HCV replication to cell-based assays capable of *in situ* phosphorylation.

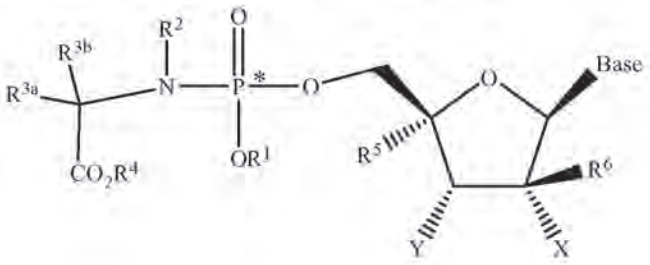
In some cases, the biological activity of a nucleoside is hampered by its poor substrate characteristics for one or more of the kinases needed to convert it to the active triphosphate form. Formation of the monophosphate by a nucleoside kinase is generally viewed as the rate limiting step of the three phosphorylation events. To circumvent the need for the initial phosphorylation step in the metabolism of a nucleoside to the active triphosphate analog, the preparation of stable phosphate prodrugs has been reported. Nucleoside phosphoramidate prodrugs have been shown to be precursors of the active nucleoside triphosphate and to inhibit viral replication when administered to viral infected whole cells (McGuigan, C., et al., *J. Med. Chem.*, 1996, 39, 1748-1753; Valette, G., et al., *J. Med. Chem.*, 1996, 39, 1981-1990; Balzarini, J., et al., *Proc. National Acad Sci USA*, 1996, 93, 7295-7299; Siddiqui, A. Q., et al., *J. Med. Chem.*, 1999, 42, 4122-4128; Eisenberg, E. J., et al., *Nucleosides, Nucleotides and Nucleic Acids*, 2001, 20, 1091-1098; Lee, W.A., et al., *Antimicrobial Agents and Chemotherapy*, 2005, 49, 1898); US 2006/0241064; and WO 2007/095269.

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Also limiting the utility of nucleosides as viable therapeutic agents is their sometimes poor physicochemical and pharmacokinetic properties. These poor properties can limit the intestinal absorption of an agent and limit uptake into the target tissue or cell. To improve on their properties prodrugs of nucleosides have been employed. It has been demonstrated that preparation of nucleoside phosphoramidates improves the systemic absorption of a nucleoside and furthermore, the phosphoramidate moiety of these "pronucleotides" is masked with neutral lipophilic groups to obtain a suitable partition coefficient to optimize uptake and transport into the cell dramatically enhancing the intracellular concentration of the nucleoside monophosphate analog relative to administering the parent nucleoside alone. Enzyme-mediated hydrolysis of the phosphate ester moiety produces a nucleoside monophosphate wherein the rate limiting initial phosphorylation is unnecessary.

SUMMARY OF THE INVENTION

The present invention is directed toward novel phosphoramidate prodrugs of nucleoside derivatives for the treatment of viral infections in mammals, which is a compound, its stereoisomers, salts (acid or basic addition salts), hydrates, solvates, or crystalline forms thereof, represented by the following structure:



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wherein

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(a) R^1 is hydrogen, n-alkyl; branched alkyl; cycloalkyl; or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are optionally substituted with at least one of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl, $-N(R^{1'})_2$, C_{1-6} acylamino, $-NHSO_2C_{1-6}$ alkyl, $-SO_2N(R^{1'})_2$, $COR^{1''}$, and $-SO_2C_{1-6}$ alkyl; ($R^{1'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{1''}$ is –OR' or $-N(R^{1'})_2$);

(b) R^2 is hydrogen, C_{1-10} alkyl, R^{3a} or R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, $C(O)CR^{3a}R^{3b}NHR^1$, where n is 2 to 4 and R^1, R^{3a}, and R^{3b};

(c) R^{3a} and R^{3b} are (i) independently selected from hydrogen, C_{1-10} alkyl, cycloalkyl, $-(CH_2)_c(NR^{3'})_2$, C_{1-6} hydroxyalkyl, $-CH_2SH$, $-(CH_2)_2S(O)_dMe$, $-(CH_2)_3NHC(=NH)NH_2$, (1H-indol-3-yl)methyl, (1H-imidazol-4-yl)methyl, $-(CH_2)_eCOR^{3''}$, aryl and aryl C_{1-3} alkyl, said aryl groups optionally substituted with a group selected from hydroxyl, C_{1-10} alkyl, C_{1-6} alkoxy, halogen, nitro and cyano; (ii) R^{3a} and R^{3b} both are C_{1-6} alkyl; (iii) R^{3a} and R^{3b} together are$(CH_2)_f$ so as to form a spiro ring; (iv) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 2 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen or C_{1-6} alkyl and $R^{3''}$ is -OR' or $–N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, CH_2CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $-CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H, where $R^{3'}$ is independently hydrogen or

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alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{3"}$ is –OR' or -$N(R^{3"})_2$);

(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy, di(lower alkyl)-amino, or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., -$(CH_2)_pOH$, where p is 1 -6, including hydroxyl methyl (CH_2OH), CH_2F, N_3, CH_2CN, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R^6 is H, R^5 cannot be N_3 and when X is OH, R^6 is CH_3 or CH_2F and B is a purine base, R^5 cannot be H;

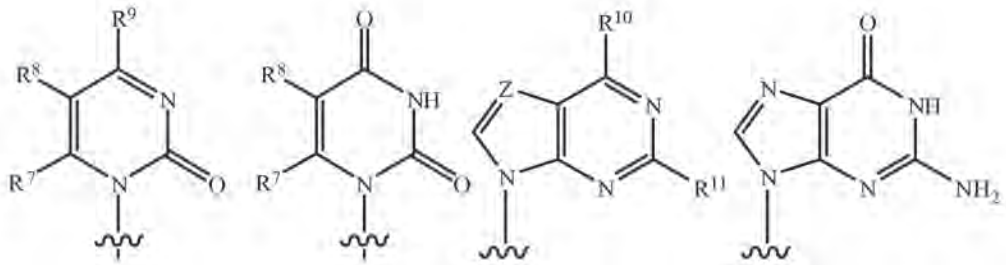
(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OMe, halogen, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, vinyl, N_3, CN, Cl, Br, F, I, NO_2, OC(O)O(C_{1-4} alkyl), OC(O)O(C_{1-4} alkyl), OC(O)O(C_{2-4} alkynyl), OC(O)O(C_{2-4} alkenyl), OC_{1-10} haloalkyl, O(aminoacyl), O(C_{1-10} acyl), O(C_{1-4} alkyl), O(C_{2-4} alkenyl), S(C_{1-4} acyl), S(C_{1-4} alkyl), S(C_{2-4} alkynyl), S(C_{2-4} alkenyl), SO(C_{1-4} acyl), SO(C_{1-4} alkyl), SO(C_{2-4} alkynyl), SO(C_{2-4} alkenyl), SO_2(C_{1-4} acyl), SO_2(C_{1-4} alkyl), SO_2(C_{2-4} alkynyl), SO_2(C_{2-4} alkenyl), OS(O)$_2$(C_{1-4} acyl), OS(O)$_2$(C_{1-4} alkyl), OS(O)$_2$(C_{2-4} alkenyl), NH_2, NH(C_{1-4} alkyl), NH(C_{2-4} alkenyl), NH(C_{2-4} alkynyl), NH(C_{1-4} acyl), N(C_{1-4} alkyl)$_2$, N(C_{1-18} acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, C(O)O(C_{1-4} alkyl), C(O)O(C_{1-4} alkyl), C(O)O(C_{2-4} alkynyl), C(O)O(C_{2-4} alkenyl), O(C_{1-4} acyl), O(C_{1-4} alkyl), O(C_{2-4} alkenyl), S(C_{1-4} acyl), S(C_{1-4} alkyl), S(C_{2-4} alkynyl), S(C_{2-4} alkenyl), SO(C_{1-4} acyl), SO(C_{1-4} alkyl), SO(C_{2-4} alkynyl), SO(C_{2-4} alkenyl), SO_2(C_{1-4} acyl), SO_2(C_{1-4} alkyl), SO_2(C_{2-4} alkynyl), SO_2(C_{2-4} alkenyl), OS(O)$_2$(C_{1-4} acyl), OS(O)$_2$(C_{1-4} alkyl), OS(O)$_2$(C_{2-4} alkenyl), NH_2, NH(C_{1-4} alkyl), NH(C_{2-4} alkenyl), NH(C_{2-4} alkynyl), NH(C_{1-4} acyl), N(C_{1-4} alkyl)$_2$, N(C_{1-4} acyl)$_2$;

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the base is a naturally occurring or modified purine or pyrimidine base represented by the following structures:



a **b** **c** **d**

wherein

Z is N or CR^{12};

R^7, R^8,R^9, R^{10}, and $R^{11}$are independently H, F, Cl, Br, I, OH, OR', SH, SR', NH_2, NHR', NR'_2, lower alkyl of C_1-C_6, halogenated (F, Cl, Br, I) lower alkyl of C_1-C_6, lower alkenyl of C_2-C_6, halogenated (F, Cl, Br, I) lower alkenyl of C_2-C_6, lower alkynyl of C_2-C_6 such as C≡CH, halogenated (F, Cl, Br, I) lower alkynyl of C_2-C_6, lower alkoxy of C_1-C_6, halogenated (F, Cl, Br, I) lower alkoxy of C_1-C_6, CO_2H, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$,

wherein R' is an optionally substituted alkyl , which includes, but is not limited to, an optionally substituted C_{1-20} alkyl, an optionally substituted C_{1-10} alkyl, an optionally substituted lower alkyl; an optionally substituted cycloalkyl; an optionally substituted alkynyl of C_2-C_6, an optionally substituted lower alkenyl of C_2-C_6, or optionally substituted acyl, which includes but is not limited to C(O) alkyl, C(O)(C_{1-20} alkyl), C(O)(C_{1-10} alkyl), or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

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R^{12} is H, halogen (including F, Cl, Br, I), OH, OR', SH, SR', NH_2, NHR', NR'_2, NO_2 lower alkyl of C_1-C_6, halogenated (F, Cl, Br, I) lower alkyl of C_1-C_6, lower alkenyl of C_2-C_6, halogenated (F, Cl, Br, I) lower alkenyl of C_2-C_6 , lower alkynyl of C_2-C_6, halogenated (F, Cl, Br, I) lower alkynyl of C_2-C_6, lower alkoxy of C_1-C_6, halogenated (F, Cl, Br, I) lower alkoxy of C_1-C_6, CO_2H, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$; with the proviso that when base is represented by the structure c with R^{11} being hydrogen, R^{12} is not a: (i) $-C\equiv C-H$, (ii) $-C=CH_2$, or (iii) $-NO_2$.

DEFINITIONS

The phrase "a" or "an" entity as used herein refers to one or more of that entity; for example, a compound refers to one or more compounds or at least one compound. As such, the terms "a" (or "an"), "one or more", and "at least one" can be used interchangeably herein.

The phrase "as defined herein above" refers to the first definition provided in the Summary of the Invention.

The terms "optional" or "optionally" as used herein means that a subsequently described event or circumstance may but need not occur, and that the description includes instances where the event or circumstance occurs and instances in which it does not. For example, "optional bond" means that the bond may or may not be present, and that the description includes single, double, or triple bonds.

The term "independently" is used herein to indicate that a variable is applied in any one instance without regard to the presence or absence of a variable having that same or a different definition within the same compound. Thus, in a compound in which R appears twice and is defined as "independently carbon or nitrogen", both R's can be carbon, both R's can be nitrogen, or one R' can be carbon and the other nitrogen.

The term "alkenyl" refers to an unsubstituted hydrocarbon chain radical having from 2 to 10 carbon atoms having one or two olefinic double bonds, preferably one olefinic double bond. The term "$C_{2\text{-}N}$ alkenyl" refers to an alkenyl comprising 2 to N

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carbon atoms, where N is an integer having the following values: 3, 4, 5, 6, 7, 8, 9, or 10. The term "C_{2-10} alkenyl" refers to an alkenyl comprising 2 to 10 carbon atoms. The term "C_{2-4} alkenyl" refers to an alkenyl comprising 2 to 4 carbon atoms. Examples include, but are not limited to, vinyl, 1-propenyl, 2-propenyl (allyl) or 2-butenyl (crotyl).

The term "halogenated alkenyl" refers to an alkenyl comprising at least one of F, Cl, Br, and I.

The term "alkyl" refers to an unbranched or branched chain, saturated, monovalent hydrocarbon residue containing 1 to 30 carbon atoms. The term "C_{1-M} alkyl" refers to an alkyl comprising 1 to M carbon atoms, where M is an integer having the following values: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, or 30. The term "C_{1-4} alkyl" refers to an alkyl containing 1 to 4 carbon atoms. The term "lower alkyl" denotes a straight or branched chain hydrocarbon residue comprising 1 to 6 carbon atoms. "C_{1-20} alkyl" as used herein refers to an alkyl comprising 1 to 20 carbon atoms. "C_{1-10} alkyl" as used herein refers to an alkyl comprising 1 to 10 carbons. Examples of alkyl groups include, but are not limited to, lower alkyl groups include methyl, ethyl, propyl, *i*-propyl, *n*-butyl, *i*-butyl, *t*-butyl or pentyl, isopentyl, neopentyl, hexyl, heptyl, and octyl. The term (ar)alkyl or (heteroaryl)alkyl indicate the alkyl group is optionally substituted by an aryl or a heteroaryl group respectively.

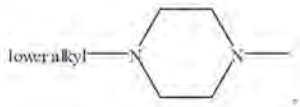
The term "cycloalkyl" refers to an unsubstituted or substituted carbocycle, in which the carbocycle contains 3 to 10 carbon atoms; preferably 3 to 8 carbon atoms; more preferably 3 to 6 carbon atoms (i.e., lower cycloalkyls). Examples of cycloalkyl groups include, but are not limited to, cyclopropyl, 2-methyl-cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl.

The term "cycloalkyl alkyl" refers to an additionally unsubstituted or substituted alkyl substituted by a lower cycloalkyl. Examples of cycloalkyl alkyls include, but are not limited to, any one of methyl, ethyl, propyl, i-propyl, n-butyl, i-butyl, t-butyl or pentyl, isopentyl, neopentyl, hexyl, heptyl, and octyl that is substituted with cyclopropyl, 2-methyl-cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl.

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The term "cycloheteroalkyl" refers to an unsubstituted or substituted heterocycle, in which the heterocycle contains 2 to 9 carbon atoms; preferably 2 to 7 carbon atoms; more preferably 2 to 5 carbon atoms. Examples of cycloheteroalkyls include, but are not limited to, aziridin-2-yl, *N*-C_{1-3}-alkyl-aziridin-2-yl, azetidinyl, *N*-C_{1-3}-alkyl-azetidin-m'-yl, pyrrolidin-m'-yl, *N*-C_{1-3}-alkyl-pyrrolidin-m'-yl, piperidin-m'-yl, and *N*-C_{1-3}-alkyl-piperidin-m'-yl, where m' is 2, 3, or 4 depending on the cycloheteroalkyl. Specific examples of N-C_{1-3}-alkyl-cycloheteroalkyls include, but are not limited to, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-2-yl, N-methyl-piperidin-3-yl, and N-methyl-piperidin-4-yl. In the instance of R^4, the point of attachment between the cycloheteroalkyl ring carbon and the oxygen occurs at any one of m'

The term "heterocycle" refers to an unsubstituted or substituted heterocycle containing carbon, hydrogen, and at least one of N, O, and S, where the C and N can be trivalent or tetravalent, i.e., sp^2- or sp^3-hybridized. Examples of heterocycles include, but are not limited to, aziridine, azetidine, pyrrolidine, piperidine, imidazole, oxazole, piperazine, etc. In the instance of piperazine, as related to R^{10} for NR'_2, the corresponding opposite nitrogen atom of the piperazinyl is substituted by a lower alkyl represented by the following structure:



Preferably, the opposite nitrogen of the piperazinyl is substituted by a methyl group.

The term "halogenated alkyl" (or "haloalkyl") refers to an unbranched or branched chain alkyl comprising at least one of F, Cl, Br, and I. The term "C_{1-M} haloalkyl" refers to an alkyl comprising 1 to M carbon atoms that comprises at least one of F, Cl, Br, and I, where M is an integer having the following values: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, or 30. "C_{1-3} haloalkyl" refers to a haloalkyl comprising 1 to 3 carbons and at least one of F, Cl, Br, and I. The term "halogenated lower alkyl" (or "lower haloalkyl") refers to a haloalkyl comprising 1 to 6

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carbon atoms and at least one of F, Cl, Br, and I. Examples include, but are not limited to, fluoromethyl, chloromethyl, bromomethyl, iodomethyl, difluoromethyl, dichloromethyl, dibromomethyl, diiodomethyl, trifluoromethyl, trichloromethyl, tribromomethyl, triiodomethyl, 1-fluoroethyl, 1-chloroethyl, 1-bromoethyl, 1-iodoethyl, 2-fluoroethyl, 2-chloroethyl, 2-bromoethyl, 2-iodoethyl, 2,2-difluoroethyl, 2,2-dichloroethyl, 2,2-dibromomethyl, 2-2-diiodomethyl, 3-fluoropropyl, 3-chloropropyl, 3-bromopropyl, 2,2,2-trifluoroethyl or 1,1,2,2,2-pentafluoroethyl.

The term "alkynyl" refers to an unbranched or branched hydrocarbon chain radical having from 2 to 10 carbon atoms, preferably 2 to 5 carbon atoms, and having one triple bond. The term "$C_{2\text{-}N}$ alkynyl" refers to an alkynyl comprising 2 to N carbon atoms, where N is an integer having the following values: 3, 4, 5, 6, 7, 8, 9, or 10. The term "C $C_{2\text{-}4}$ alkynyl" refers to an alkynyl comprising 2 to 4 carbon atoms. The term "$C_{2\text{-}10}$ alkynyl" refers to an alkynyl comprising 2 to 10 carbons. Examples include, but are limited to, ethynyl, 1-propynyl, 2-propynyl, 1-butynyl, 2-butynyl or 3-butynyl.

The term "halogenated alkynyl" refers to an unbranched or branched hydrocarbon chain radical having from 2 to 10 carbon atoms, preferably 2 to 5 carbon atoms, and having one triple bond and at least one of F, Cl, Br, and I.

The term "cycloalkyl" refers to a saturated carbocyclic ring comprising 3 to 8 carbon atoms, i.e. cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl or cyclooctyl. The term "$C_{3\text{-}7}$ cycloalkyl" as used herein refers to a cycloalkyl comprising 3 to 7 carbons in the carbocyclic ring.

The term "alkoxy" refers to an -O-alkyl group or an –O-cycloalkyl group, wherein alkyl and cycloalkyl are as defined above. Examples of –O-alkyl groups include, but are not limited to, methoxy, ethoxy, *n*-propyloxy, *i*-propyloxy, *n*-butyloxy, *i*-butyloxy, *t*-butyloxy. "Lower alkoxy" as used herein denotes an alkoxy group with a "lower alkyl" group as previously defined. "$C_{1\text{-}10}$ alkoxy" refers to an-O-alkyl wherein alkyl is $C_{1\text{-}10}$. Examples of –O-cycloalkyl groups include, but are not limited to, -O-*c*-propyl, -O-*c*-butyl, -O-*c*-pentyl, and –O-*c*-hexyl.

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The term "halogenated alkoxy" refers to an –O-alkyl group in which the alkyl group comprises at least one of F, Cl, Br, and I.

The term "halogenated lower alkoxy" refers to an –O-(lower alkyl) group in which the lower alkyl group comprises at least one of F, Cl, Br, and I.

The term "amino acid" includes naturally occurring and synthetic α, β γ or δ amino acids, and includes but is not limited to, amino acids found in proteins, i.e. glycine, alanine, valine, leucine, isoleucine, methionine, phenylalanine, tryptophan, proline, serine, threonine, cysteine, tyrosine, asparagine, glutamine, aspartate, glutamate, lysine, arginine and histidine. In a preferred embodiment, the amino acid is in the L-configuration. Alternatively, the amino acid can be a derivative of alanyl, valinyl, leucinyl, isoleucinyl, prolinyl, phenylalaninyl, tryptophanyl, methioninyl, glycinyl, serinyl, threoninyl, cysteinyl, tyrosinyl, asparaginyl, glutaminyl, aspartoyl, glutaroyl, lysinyl, argininyl, histidinyl, β-alanyl, β-valinyl, β-leucinyl, β-isoleucinyl, β-prolinyl, β-phenylalaninyl, β-tryptophanyl, β-methioninyl, β-glycinyl, β-serinyl, β-threoninyl, β-cysteinyl, β-tyrosinyl, β-asparaginyl, β-glutaminyl, β-aspartoyl, β-glutaroyl, β-lysinyl, β-argininyl or β-histidinyl. When the term amino acid is used, it is considered to be a specific and independent disclosure of each of the esters of α, β γ or δ glycine, alanine, valine, leucine, isoleucine, methionine, phenylalanine, tryptophan, proline, serine, threonine, cysteine, tyrosine, asparagine, glutamine, aspartate, glutamate, lysine, arginine and histidine in the D and L-configurations.

The term "aminoacyl" includes N,N-unsubstituted, N,N-monosubstituted, and N,N-disubstituted derivatives of naturally occurring and synthetic α, β γ or δ amino acyls, where the amino acyls are derived from amino acids. The amino-nitrogen can be substituted or unsubstituted. When the amino-nitrogen is substituted, the nitrogen is either mono- or di-substituted, where the substituent bound to the amino-nitrogen is a lower alkyl or an alkaryl. In the instance of its use for Y, the expression "O(aminoacyl)" is used. It is understood that the C3' carbon of the ribose is bound to the oxygen "O", which is then bound to the carbonyl carbon of the aminoacyl.

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The terms "alkylamino" or "arylamino" refer to an amino group that has one or two alkyl or aryl substituents, respectively.

The term "protected," as used herein and unless otherwise defined, refers to a group that is added to an oxygen, nitrogen, or phosphorus atom to prevent its further reaction or for other purposes. A wide variety of oxygen and nitrogen protecting groups are known to those skilled in the art of organic synthesis. Non-limiting examples include: C(O)-alkyl, C(O)Ph, C(O)aryl, CH_3, CH_2-alkyl, CH_2-alkenyl, CH_2Ph, CH_2-aryl, CH_2O-alkyl, CH_2O-aryl, SO_2-alkyl, SO_2-aryl, *tert*-butyldimethylsilyl, *tert*-butyldiphenylsilyl, and 1,3-(1,1,3,3-tetraisopropyldisiloxanylidene).

The term "aryl," as used herein, and unless otherwise specified, refers to substituted or unsubstituted phenyl (Ph), biphenyl, or naphthyl, preferably the term aryl refers to substituted or unsubstituted phenyl. The aryl group can be substituted with one or more moieties selected from among hydroxyl, F, Cl, Br, I, amino, alkylamino, arylamino, alkoxy, aryloxy, nitro, cyano, sulfonic acid, sulfate, phosphonic acid, phosphate, and phosphonate, either unprotected, or protected as necessary, as known to those skilled in the art, for example, as taught in T.W. Greene and P.G. M. Wuts, "Protective Groups in Organic Synthesis," 3rd ed., John Wiley & Sons, 1999.

The terms "alkaryl" or "alkylaryl" refer to an alkyl group with an aryl substituent, such as benzyl. The terms "aralkyl" or "arylalkyl" refer to an aryl group with an alkyl substituent.

The term "di(lower alkyl)amino-lower alkyl" refers to a lower alkyl substituted by an amino group that is itself substituted by two lower alkyl groups. Examples include, but are not limited to, $(CH_3)_2NCH_2$, $(CH_3)_2NCH_2CH_2$, $(CH_3)_2NCH_2CH_2CH_2$, etc. The examples above show lower alkyls substituted at the terminus carbon atom with an N,N-dimethyl-amino substituent. These are intended as examples only and are not intended to limit the meaning of the term "di(lower alkyl)amino-lower alkyl" so as to require the same. It is contemplated that the lower alkyl chain can be substituted with an N,N-di(lower alkyl)-amino at any point along the chain, e.g., CH_3CH(N-(lower alkyl)$_2$)CH_2CH_2.

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The term "halo," as used herein, includes chloro, bromo, iodo and fluoro.

The term "acyl" refers to a substituent containing a carbonyl moiety and a non-carbonyl moiety. The carbonyl moiety contains a double-bond between the carbonyl carbon and a heteroatom, where the heteroatom is selected from among O, N and S. When the heteroatom is N, the N is substituted by a lower alkyl. The non-carbonyl moiety is selected from straight, branched, and cyclic alkyl, which includes, but is not limited to, a straight, branched, or cyclic C_{1-20} alkyl, C_{1-10} alkyl, or lower alkyl; alkoxyalkyl, including methoxymethyl; aralkyl, including benzyl; aryloxyalkyl, such as phenoxymethyl; or aryl, including phenyl optionally substituted with halogen (F, Cl, Br, I), hydroxyl, C_1 to C_4 alkyl, or C_1 to C_4 alkoxy, sulfonate esters, such as alkyl or aralkyl sulphonyl, including methanesulfonyl, the mono, di or triphosphate ester, trityl or monomethoxytrityl, substituted benzyl, trialkylsilyl (e.g. dimethyl-t-butylsilyl) or diphenylmethylsilyl. When at least one aryl group is present in the non-carbonyl moiety, it is preferred that the aryl group comprises a phenyl group.

The term "lower acyl" refers to an acyl group in which the non-carbonyl moiety is lower alkyl.

The term "purine" or "pyrimidine" base includes, but is not limited to, adenine, N^6-alkylpurines, N^6-acylpurines (wherein acyl is C(O)(alkyl, aryl, alkylaryl, or arylalkyl), N^6-benzylpurine, N^6-halopurine, N^6-vinylpurine, N^6-acetylenic purine, N^6-acyl purine, N^6-hydroxyalkyl purine, N^6-allcylaminopurine, N^6-thioallcyl purine, N^2-alkylpurines, N^2-alkyl-6-thiopurines, thymine, cytosine, 5-fluorocytosine, 5-methylcytosine, 6-azapyrimidine, including 6-azacytosine, 2- and/or 4-mercaptopyrmidine, uracil, 5-halouracil, including 5-fluorouracil, C^5-alkylpyrimidines, C^5-benzylpyrimidines, C^5-halopyrimidines, C^5-vinylpyrimidine, C^5-acetylenic pyrimidine, C^5-acyl pyrimidine, C^5-hydroxyalkyl purine, C^5-amidopyrimidine, C^5-cyanopyrimidine, ,C^5-iodopyrimidine, C^6-lodo-pyrimidine, C^5-Br-vinyl pyrimidine, C^6-Br-vinyl pyrimidine, C^5-nitropyrimidine, C^5-amino-pyrimidine, N^2-alkylpurines, N^2-alkyl-6-thiopurines, 5-azacytidinyl, 5-azauracilyl, triazolopyridinyl, imidazolopyridinyl, pyrrolopyrimidinyl, and pyrazolopyrimidinyl. Purine bases include, but are not limited to, guanine, adenine,

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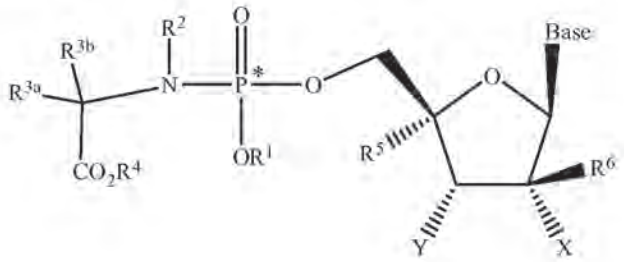
hypoxanthine, 2,6-diaminopurine, and 6-chloropurine. Functional oxygen and nitrogen groups on the base can be protected as necessary or desired. Suitable protecting groups are well known to those skilled in the art, and include trimethylsilyl, dimethylhexylsilyl, *t*-butyldimethylsilyl, and *t*-butyldiphenylsilyl, trityl, alkyl groups, and acyl groups such as acetyl and propionyl, methanesulfonyl, and p-toluenesulfonyl.

The term "tautomerism" and "tautomers" have their accepted plain meanings.

The term "P*" means that the phosphorous atom is chiral and that it has a corresponding Cahn-Ingold-Prelog designation of "R" or "S" which have their accepted plain meanings. It is contemplated that compounds of the formula I are racemic because the chirality at phosphorous. Applicants contemplate use of the racemate and/or the resolved enantiomers. In some instances, an asterisk does not appear next to the phosphoroamidate phosphorous atom. In these instances, it is understood that the phosphorous atom is chiral and that one of ordinary skill understands this to be so unless the substituents bound to the phosphorous exclude the possibility of chirality at phosphorous, such as in $P(O)Cl_3$.

DETAILED DESCRIPTION OF THE INVENTION

An aspect of the invention is directed to a compound, its salts, hydrates, solvates, crystalline forms, and the like represented by formula I:



wherein

(a) R^1 is hydrogen, n-alkyl; branched alkyl; cycloalkyl; or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are

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optionally substituted with at least one of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl, $-N(R^{1'})_2$, C_{1-6} acylamino, $-NHSO_2C_{1-6}$ alkyl, $-SO_2N(R^{1'})_2$, $COR^{1''}$, and $-SO_2C_{1-6}$ alkyl; ($R^{1'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{1''}$ is –OR' or $-N(R^{1'})_2$);

(b) R^2 is hydrogen, C_{1-10} alkyl, R^{3a} or R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, $C(O)CR^{3a}R^{3b}NHR^1$, where n is 2 to 4 and R^1, R^{3a}, and R^{3b};

(c) R^{3a} and R^{3b} are (i) independently selected from hydrogen, C_{1-10} alkyl, cycloalkyl, $-(CH_2)_c(NR^{3'})_2$, C_{1-6} hydroxyalkyl, $-CH_2SH$, $-(CH_2)_2S(O)_dMe$, $-(CH_2)_3NHC(=NH)NH_2$, (1H-indol-3-yl)methyl, (1H-imidazol-4-yl)methyl, $-(CH_2)_eCOR^{3''}$, aryl and aryl C_{1-3} alkyl, said aryl groups optionally substituted with a group selected from hydroxyl, C_{1-10} alkyl, C_{1-6} alkoxy, halogen, nitro and cyano; (ii) R^{3a} and R^{3b} both are C_{1-6} alkyl; (iii) R^{3a} and R^{3b} together are$(CH_2)_f$ so as to form a spiro ring; (iv) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 2 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen or C_{1-6} alkyl and $R^{3''}$ is -OR' or $–N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, CH_2CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $-CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H, where $R^{3'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{3''}$ is –OR' or $-N(R^{3'})_2$);

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(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy, di(lower alkyl)-amino, or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., $-(CH_2)_pOH$, where p is 1 -6, including hydroxyl methyl (CH_2OH), CH_2F, N_3, CH_2CN, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R^6 is H, R^5 cannot be N_3 and when X is OH, R^6 is CH_3 or CH_2F and B is a purine base, R^5 cannot be H;

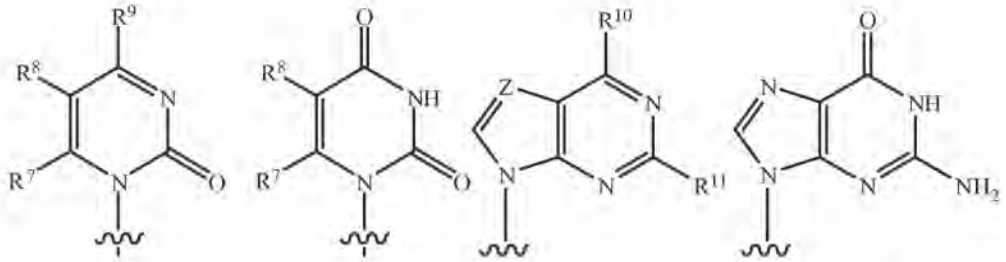
(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OMe, halogen, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, vinyl, N_3, CN, Cl, Br, F, I, NO_2, $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{2-4}$ alkynyl), $OC(O)O(C_{2-4}$ alkenyl), OC_{1-10} haloalkyl, O(aminoacyl), $O(C_{1-10}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-18}$ acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{2-4}$ alkynyl), $C(O)O(C_{2-4}$ alkenyl), $O(C_{1-4}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-4}$ acyl)$_2$;

the base is a naturally occurring or modified purine or pyrimidine base represented by the following structures:

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a **b** **c** **d**

wherein

Z is N or CR^{12};

R^7, R^8,R^9, R^{10}, and $R^{11}$are independently H, F, Cl, Br, I, OH, OR', SH, SR', NH_2, NHR', NR'_2, lower alkyl of C_1-C_6, halogenated (F, Cl, Br, I) lower alkyl of C_1-C_6, lower alkenyl of C_2-C_6, halogenated (F, Cl, Br, I) lower alkenyl of C_2-C_6, lower alkynyl of C_2-C_6 such as C≡CH, halogenated (F, Cl, Br, I) lower alkynyl of C_2-C_6, lower alkoxy of C_1-C_6, halogenated (F, Cl, Br, I) lower alkoxy of C_1-C_6, CO_2H, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$,

wherein R' is an optionally substituted alkyl , which includes, but is not limited to, an optionally substituted C_{1-20} alkyl, an optionally substituted C_{1-10} alkyl, an optionally substituted lower alkyl; an optionally substituted cycloalkyl; an optionally substituted alkynyl of C_2-C_6, an optionally substituted lower alkenyl of C_2-C_6, or optionally substituted acyl, which includes but is not limited to C(O) alkyl, C(O)(C_{1-20} alkyl), C(O)(C_{1-10} alkyl), or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

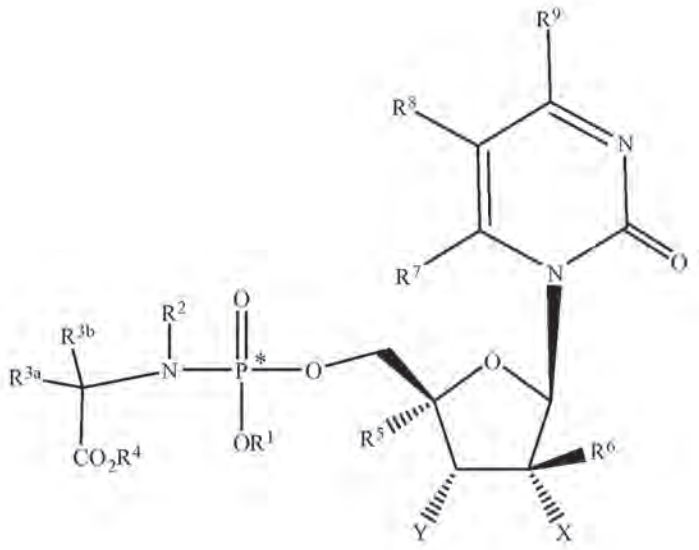
R^{12} is H, halogen (including F, Cl, Br, I), OH, OR', SH, SR', NH_2, NHR', NR'_2, NO_2 lower alkyl of C_1-C_6, halogenated (F, Cl, Br, I) lower alkyl of C_1-C_6, lower alkenyl of C_2-C_6, halogenated (F, Cl, Br, I) lower alkenyl of C_2-C_6 , lower alkynyl of C_2-C_6,

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halogenated (F, Cl, Br, I) lower alkynyl of C_2-C_6, lower alkoxy of C_1-C_6, halogenated (F, Cl, Br, I) lower alkoxy of C_1-C_6, CO_2H, CO_2R', $CONH_2$, $CONHR'$, $CONR'_2$, $CH{=}CHCO_2H$, or $CH{=}CHCO_2R'$; with the proviso that when base is represented by the structure c with R^{11} being hydrogen, R^{12} is not a: (i) $-C{\equiv}C-H$, (ii) $-C{=}CH_2$, or (iii) $-NO_2$.

As can be appreciated from the structure represented by formula **I** above, there are myriad ways to express the several embodiments and aspects of each embodiment of the present invention. As seen below, the inventors have disclosed certain embodiments directed to the compound of formula **I**, each having several aspects, based on the identity of the modified purine or pyrimidine base. This is not intended to be an explicit or implicit admission that the three embodiments are independent or distinct nor should it be interpreted as such. Rather, it is intended to convey information so that the full breadth of the present invention can be understood. Furthermore, the following embodiments, and aspects thereof, are not meant to be limiting on the full breadth of the invention as recited by the structure of formula **I**.

A first embodiment of the invention is directed to a compound represented by formula **I-1**:



I-1

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wherein

(a) R^1 is hydrogen, n-alkyl; branched alkyl; cycloalkyl; or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are optionally substituted with at least one of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl, $-N(R^{1'})_2$, C_{1-6} acylamino, $-NHSO_2C_{1-6}$ alkyl, $-SO_2N(R^{1'})_2$, $COR^{1''}$, and $-SO_2C_{1-6}$ alkyl; ($R^{1'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{1''}$ is –OR' or $-N(R^{1'})_2$);

(b) R^2 is hydrogen, C_{1-10} alkyl, R^{3a} or R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, $C(O)CR^{3a}R^{3b}NHR^1$, where n is 2 to 4 and R^1, R^{3a}, and R^{3b};

(c) R^{3a} and R^{3b} are (i) independently selected from hydrogen, C_{1-10} alkyl, cycloalkyl, $-(CH_2)_c(NR^{3'})_2$, C_{1-6} hydroxyalkyl, $-CH_2SH$, $-(CH_2)_2S(O)_dMe$, $-(CH_2)_3NHC(=NH)NH_2$, (1H-indol-3-yl)methyl, (1H-imidazol-4-yl)methyl, $-(CH_2)_eCOR^{3''}$, aryl and aryl C_{1-3} alkyl, said aryl groups optionally substituted with a group selected from hydroxyl, C_{1-10} alkyl, C_{1-6} alkoxy, halogen, nitro and cyano; (ii) R^{3a} and R^{3b} both are C_{1-6} alkyl; (iii) R^{3a} and R^{3b} together are$(CH_2)_f$ so as to form a spiro ring; (iv) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 2 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen or C_{1-6} alkyl and $R^{3''}$ is -OR' or $–N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, CH_2CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $-CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-

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Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H, where $R^{3'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{3''}$ is –OR' or -$N(R^{3'})_2$);

(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy, di(lower alkyl)-amino, or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)-amino, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., -$(CH_2)_pOH$, where p is 1 -6, including hydroxyl methyl (CH_2OH), CH_2F, N_3, CH_2CN, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R^6 is H, R^5 cannot be N_3 and when X is OH, R^6 is CH_3 or CH_2F and B is a purine base, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OMe, Cl, Br, I, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, vinyl, N_3, CN, Cl, Br, F, I, NO_2, $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{2-4}$ alkynyl), $OC(O)O(C_{2-4}$ alkenyl), OC_{1-10} haloalkyl, O(aminoacyl), $O(C_{1-10}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-18}$ acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{2-4}$ alkynyl), $C(O)O(C_{2-4}$ alkenyl), $O(C_{1-4}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$

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alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-4}$ acyl)$_2$;

(i) R^7, R^8,R^9 are independently H, F, Cl, Br, I, OH, OR', SH, SR', NH_2, NHR', NR'$_2$, lower alkyl, halogenated (F, Cl, Br, I) lower alkyl, lower alkenyl of C_2-C_6, CO_2H, CO_2R', $CONH_2$, CONHR', CONR'$_2$, wherein R' is a C_{1-20} alkyl; a C_{1-20} cycloalkyl; a C_2-C_6 alkenyl, a C_2-C_6 alkynyl.

A first aspect of the first embodiment is directed to a compound represented by formula **I-1**

wherein

(a) R^1 is hydrogen, n-alkyl or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are optionally substituted with at least one of C_{1-6} alkyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} and R^{3b} are independently (i) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 3 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen or C_{1-6} alkyl and $R^{3''}$ is -OR' or $-N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), or CH_2SH and R^{3b} is H;

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(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy, di(lower alkyl)-amino, or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, CN, CH_3, vinyl, OCH_3, OCH_2CH_3, CH_2OH, CH_2(halo), such as CH_2F, N_3, CH_2CN, CH_2N_3, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, halogen, including F, Cl, Br, or I, with the provisos that when X is OH , base is cytosine and R^6 is H, R^5 cannot be N_3;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OMe, Cl, Br, I, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, vinyl, N_3, CN, Cl, Br, F, I, O(C_{1-6} acyl), O(C_{1-4} alkyl), NH_2, NH(C_{1-4} alkyl), NH(C_{2-4} alkenyl), NH(C_{2-4} alkynyl), NH(C_{1-4} acyl), N(C_{1-4} alkyl)$_2$, N(C_{1-18} acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, OC(O)O(C_{1-4} alkyl), OC(O)O(C_{1-4} alkyl), OC(O)O(C_{2-4} alkynyl), OC(O)O(C_{2-4} alkenyl), OC_{1-4} haloalkyl, O(aminoacyl), O(C_{1-4} acyl), O(C_{1-4} alkyl), O(C_{2-4} alkenyl), S(C_{1-4} acyl), S(C_{1-4} alkyl), S(C_{2-4} alkynyl), S(C_{2-4} alkenyl), SO(C_{1-4} acyl), SO(C_{1-4} alkyl), SO(C_{2-4} alkynyl), SO(C_{2-4} alkenyl), SO_2(C_{1-4} acyl), SO_2(C_{1-4} alkyl), SO_2(C_{2-4} alkynyl), SO_2(C_{2-4} alkenyl), OS(O)$_2$(C_{1-4} acyl), OS(O)$_2$(C_{1-4} alkyl), OS(O)$_2$(C_{2-4} alkenyl), NH_2, NH(C_{1-4} alkyl), NH(C_{2-4} alkenyl), NH(C_{2-4} alkynyl), NH(C_{1-4} acyl), N(C_{1-4} alkyl)$_2$, or N(C_{1-4} acyl)$_2$;

(i) R^7, R^8,R^9 are independently H, F, Cl, Br, I, OH, OR', SH, SR', NH_2, NHR', NR'$_2$, lower alkyl, halogenated (F, Cl, Br, I) lower alkyl, lower alkenyl of C_2-C_6, CO_2H, CO_2R', $CONH_2$, CONHR', CONR'$_2$, wherein R' is a C_{1-20} alkyl; a C_{1-20} cycloalkyl; a C_2-C_6 alkenyl, a C_2-C_6 alkynyl.

A second aspect of the first embodiment is directed to a compound represented by formula **I-1**

wherein

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(a) R^1 is hydrogen, n-alkyl or a substituted or unsubstituted phenyl, where the substitutent of the substituted phenyl is at least one of a C_{1-3} alkyl, a C_{1-3} alkoxy, F, Cl, Br, I, nitro, cyano, and a C_{1-3} haloalkyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} and R^{3b} are independently (i) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 3 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen or C_{1-6} alkyl and $R^{3''}$ is -OR' or $-N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), or CH_2SH and R^{3b} is H;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, di(lower alkyl)amino-lower alkyl, or aminoacyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2(halo), such as CH_2F, N_3, CH_2CN, CH_2N_3, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, halogen, including F, Cl, Br, or I, with the provisos that when X is OH , base is cytosine and R^6 is H, R^5 cannot be N_3;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, NH_2, or N_3;

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(h) Y is OH, H, CH_3, vinyl, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3, NH_2, $NHCH_3$, NH(vinyl), NH(acetyl), $NH(C(O)CH_3)$, $N(CH_3)_2$, $N(C(O)CH_3)_2$, or O(aminoacyl);

(i) R^7 and R^8 are independently H, F, Cl, Br, I, OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2H, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$; and

(j) R^9 is selected from among OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, OC(O)(C1-20 alkyl), which include but are not limited to $OC(O)(CH_2)_sCH_3$, NHC(O)(C1-20 alkyl), which include but are not limited to $NHC(O)(CH_2)_sCH_3$, and $N(C(O)(CH_2)_sCH_3)_2$, which include but is not limited to $N(C(O)(CH_2)_sCH_3)_2$, where s is an integer selected from 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

A third aspect of the first embodiment is directed to a compound represented by formula **I-1**

wherein

(a) R^1 is hydrogen, n-alkyl or a substituted or unsubstituted phenyl, where the substitutent of the substituted phenyl is at least one of a CH_3, OCH_3, F, Cl, Br, I, nitro, cyano, and a $CH_{3-q}X_q$, where X is F, Cl, Br, or I, and q is 1-3;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl or R^{3a} is CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H;

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(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, lower haloalkyl, di(lower alkyl)amino-lower alkyl, or aminoacyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2(halo), such as CH_2F, N_3, CH_2CN, CH_2N_3, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, halogen, including F, Cl, Br, or I, with the provisos that when X is OH , base is cytosine and R^6 is H, R^5 cannot be N_3;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, NH_2, or N_3;

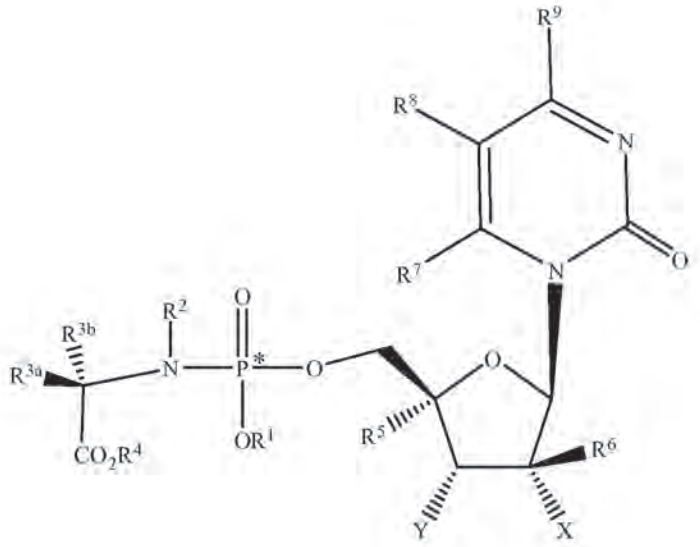
(h) Y is OH, H, CH_3, vinyl, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3, NH_2, $NHCH_3$, NH(vinyl), NH(acetyl), $NH(C(O)CH_3)$, $N(CH_3)_2$, $N(C(O)CH_3)_2$, or O(aminoacyl);

(i) R^7 and R^8 are independently H, F, Cl, Br, I, OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2H, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$, wherein R' is a C_{1-20} alkyl; a C_{1-20} cycloalkyl; a C_2-C_6 alkenyl, a C_2-C_6 alkynyl'; and

(j) R^9 is selected from among OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, OC(O)(C1-20 alkyl), which include but are not limited to $OC(O)(CH_2)_sCH_3$, NHC(O)(C1-20 alkyl), which include but are not limited to $NHC(O)(CH_2)_sCH_3$, and $N(C(O)(CH_2)_sCH_3)_2$, which include but is not limited to $N(C(O)(CH_2)_sCH_3)_2$, where s is an integer selected from 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

A fourth aspect of the first embodiment is directed to a compound represented by formula **I-2**

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I-2

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, or a substituted or unsubstituted phenyl, where the substitutent of the substituted phenyl is at least one of a CH_3, OCH_3, F, Cl, Br, I, nitro, cyano, and a $CH_{3-q}X_q$, where X is F, Cl, Br, or I, and q is 1-3;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl or R^{3a} is CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H;

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(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)amino-lower alkyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, N_3, CH_2CN, CH_2N_3, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, halogen, including F, Cl, Br, or I, with the provisos that when X is OH , base is cytosine and R^6 is H, R^5 cannot be N_3;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, Cl, Br, I, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3, NH_2, $NHCH_3$, NH(vinyl), NH(acetyl), $NH(C(O)CH_3)$, $N(CH_3)_2$, $N(C(O)CH_3)_2$, or O(aminoacyl);

(i) R^7 and R^8 are independently H, F, Cl, Br, I, OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2H, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$, wherein R' is a C_{1-20} alkyl; a C_{1-20} cycloalkyl; a C_2-C_6 alkenyl, a C_2-C_6 alkynyl; and

(j) R^9 is selected from among OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, OC(O)(C1-20 alkyl), which include but are not limited to $OC(O)(CH_2)_sCH_3$, NHC(O)(C1-20 alkyl), which include but are not limited to $NHC(O)(CH_2)_sCH_3$, and and $N(C(O)(CH_2)_sCH_3$, which include but is not limited to $N(C(O)(CH_2)_sCH_3)_2$, where s is an integer selected from 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

A fifth aspect of the first embodiment is directed to a compound represented by formula **I-2**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

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(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, lower haloalkyl, di(lower alkyl)amino-lower alkyl, or aminoacyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, halogen, including F, Cl, Br, or I;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3, or O(aminoacyl);

(i) R^7 and R^8 are independently H, F, Cl, Br, I, OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2H, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$, wherein R' is a C_{1-20} alkyl; a C_{1-20} cycloalkyl; a C_2-C_6 alkenyl, a C_2-C_6 alkynyl; and

(j) R^9 is selected from among OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, $OC(O)(C_{1-20}$ alkyl), which include but are not limited to $OC(O)(CH_2)_sCH_3$, $NHC(O)(C_{1-20}$ alkyl), which include but are not limited to $NHC(O)(CH_2)_sCH_3$, and $N(C(O)(CH_2)_sCH_3)_2$, which include but is not limited to $N(C(O)(CH_2)_sCH_3)_2$, where s is an integer selected from 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

A sixth aspect of the first embodiment is directed to a compound represented by formula **I-2**

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wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, $C_{1\text{-}10}$ alkyl, $C_{1\text{-}10}$ alkyl optionally substituted with a lower alkyl, alkoxy or halogen, $C_{1\text{-}10}$ haloalkyl, $C_{3\text{-}10}$ cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)amino-lower alkyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, OMe, CN, CH_2F, F, Cl, Br, or I;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, F, OCH_3, F, Cl, Br, I, or N_3;

(h) Y is H, OH, CH_3, F, Cl, Br, I, or N_3, OCH_3, $OC(O)CH_3$, or O(aminoacyl);

(i) R^7 and R^8 are independently H, F, Br, SCH_3, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$; and

(j) R^9 is selected from among OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, $OC(O)(C_{1\text{-}20}$ alkyl), which include but are not limited to $OC(O)(CH_2)_sCH_3$, $NHC(O)(C_{1\text{-}20}$ alkyl), which include but are not limited to $NHC(O)(CH_2)_sCH_3$, and $N(C(O)(CH_2)_sCH_3)_2$, which include but is not limited to $N(C(O)(CH_2)_sCH_3)_2$, where s is an integer selected from 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

A seventh aspect of the first embodiment is directed to a compound represented by formula **I-2**

wherein

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(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, or N_3;

(h) Y is OH, OCH_3, $OC(O)CH_3$, or O(aminoacyl);

(i) R^7 and R^8 are independently H, F, Br, SCH_3, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$; and

(j) R^9 is selected from among OH, OCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, $OC(O)(C_{1-20}$ alkyl), which include but are not limited to $OC(O)(CH_2)_sCH_3$, $NHC(O)(C_{1-20}$ alkyl), which include but are not limited to $NHC(O)(CH_2)_sCH_3$, and $N(C(O)(CH_2)_sCH_3)_2$, which include but is not limited to $N(C(O)(CH_2)_sCH_3)_2$, where s is an integer selected from among 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

An eighth aspect of the first embodiment is directed to a compound represented by formula **I-2**

wherein

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(a) R^1 is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, or N_3;

(h) Y is OH, OCH_3, $OC(O)CH_3$, or O(aminoacyl);

(i) R^7 and R^8 are independently H, F, Br, SCH_3, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$;

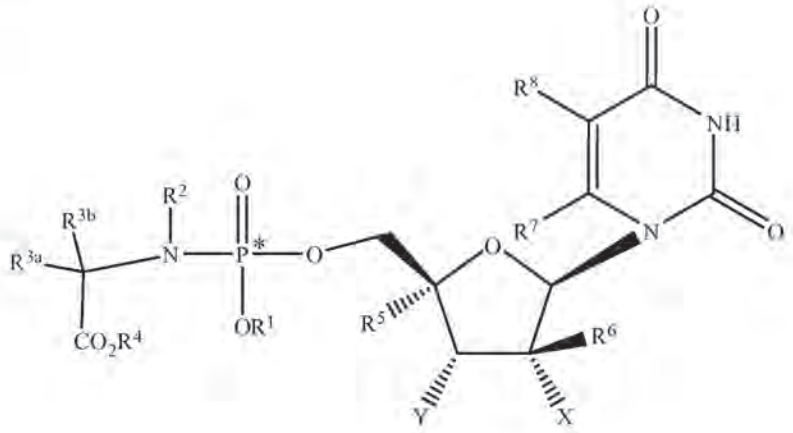
(j) R^9 is selected from among OH, OCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, $OC(O)(C_{1-20}$ alkyl), which include but are not limited to $OC(O)(CH_2)_sCH_3$, $NHC(O)(C_{1-20}$ alkyl), which include but are not limited to $NHC(O)(CH_2)_sCH_3$, and $N(C(O)(CH_2)_sCH_3)_2$, which include but is not limited to $N(C(O)(CH_2)_sCH_3)_2$, where s is an integer selected from among 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

A second embodiment of the invention is directed to a compound represented by formula **I** in which the base is a structure represented by formula **b** above, wherein R^1, R^2, R^{3a}, R^{3b}, R^4, R^5, R^6, X, Y, R^7, and R^8 are defined in the Summary of the Invention section above.

A first aspect of the second embodiment is directed to a compound represented by

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formula **I-3**



I-3

wherein

(a) R^1 is hydrogen, n-alkyl; branched alkyl; cycloalkyl; or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are optionally substituted with at least one of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl, $-N(R^{1'})_2$, C_{1-6} acylamino, $-NHSO_2C_{1-6}$ alkyl, $-SO_2N(R^{1'})_2$, $COR^{1''}$, and $-SO_2C_{1-6}$ alkyl; ($R^{1'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{1''}$ is $-OR'$ or $-N(R^{1'})_2$);

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} and R^{3b} are (i) independently selected from hydrogen, C_{1-10} alkyl, cycloalkyl, $-(CH_2)_e(NR^{3'})_2$, C_{1-6} hydroxyalkyl, $-CH_2SH$, $-(CH_2)_2S(O)_dMe$, $-(CH_2)_3NHC(=NH)NH_2$, (1H-indol-3-yl)methyl, (1H-imidazol-4-yl)methyl, $-(CH_2)_eCOR^{3''}$, aryl and aryl C_{1-3} alkyl, said aryl groups optionally substituted with a group selected from hydroxyl, C_{1-10} alkyl, C_{1-6} alkoxy, halogen, nitro and cyano; (ii) R^{3a} and R^{3b} both are C_{1-6} alkyl; (iii) R^{3a} and R^{3b} together are$(CH_2)_f$ so as to form a spiro ring; (iv) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are

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$(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 2 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen or C_{1-6} alkyl and $R^{3''}$ is -OR' or $-N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, CH_2CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $-CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H, where $R^{3'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{3''}$ is –OR' or $-N(R^{3'})_2$);

(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)amino-lower alkyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., $-(CH_2)_pOH$, where p is 1 -6, including hydroxyl methyl (CH_2OH), CH_2F, N_3, CH_2CN, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R^6 is H, R^5 cannot be N_3 and when X is OH, R^6 is CH_3 or CH_2F and B is a purine base, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OMe, Cl, Br, I, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, vinyl, N_3, CN, Cl, Br, F, I, NO_2, $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{2-4}$ alkynyl), $OC(O)O(C_{2-4}$ alkenyl), OC_{1-10} haloalkyl, O(aminoacyl), $O(C_{1-10}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl),

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$S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, or $N(C_{1-18}$ acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{2-4}$ alkynyl), $C(O)O(C_{2-4}$ alkenyl), $O(C_{1-4}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, or $N(C_{1-4}$ acyl)$_2$;

(i) R^7 and R^8 are independently H, F, Cl, Br, I, OH, OR', SH, SR', NH_2, NHR', NR'$_2$, lower alkyl, halogenated (F, Cl, Br, I) lower alkyl, lower alkenyl of C_2-C_6, CO_2H, CO_2R', $CONH_2$, CONHR', CONR'$_2$, wherein R' is a C_{1-20} alkyl; a C_{1-20} cycloalkyl; a C_2-C_6 alkenyl, a C_2-C_6 alkynyl.

The second aspect of the second embodiment is directed to a compound represented by formula **I-3**

wherein

(a) R^1 is hydrogen, n-alkyl or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are optionally substituted with at least one of C_{1-6} alkyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} and R^{3b} are independently (i) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 3 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen or C_{1-6} alkyl and $R^{3''}$ is -OR' or $-N(R^{3'})_2$); (vi)

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R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), or CH_2SH and R^{3b} is H;

(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)amino-lower alkyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, CN, CH_3, vinyl, OCH_3, OCH_2CH_3, CH_2OH, CH_2(halo), such as CH_2F, N_3, CH_2CN, CH_2N_3, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, halogen, including F, Cl, Br, or I;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OMe, halogen, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, vinyl, N_3, CN, Cl, Br, F, I, $O(C_{1-6}$ acyl), $O(C_{1-4}$ alkyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-18}$ acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{2-4}$ alkynyl), $OC(O)O(C_{2-4}$ alkenyl), OC_{1-10} haloalkyl, O(aminoacyl), $O(C_{1-4}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-4}$ acyl)$_2$;

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(i) R^7 and R^8 are independently H, F, Cl, Br, I, OH, OR', SH, SR', NH_2, NHR', NR'$_2$, lower alkyl, halogenated (F, Cl, Br, I) lower alkyl, lower alkenyl of C_2-C_6, CO_2H, CO_2R', $CONH_2$, CONHR', CONR'$_2$, wherein R' is a C_{1-20} alkyl; a C_{1-20} cycloalkyl; a C_2-C_6 alkenyl, a C_2-C_6 alkynyl.

The third aspect of the second embodiment is directed to a compound represented by formula **I-3**

wherein

(a) R^1 is hydrogen, n-alkyl or a substituted or unsubstituted phenyl, where the substitutent of the substituted phenyl is at least one of a C_{1-3} alkyl, a C_{1-3} alkoxy, F, Cl, Br, I, nitro, cyano, and a C_{1-3} haloalkyl;

(b) R^2 is hydrogen, CH_3, R^{3a} or R^{3b} and R^2 together are $(CH_2)_3$ so as to form a cyclic ring that includes the adjoining N and C atoms, $C(O)CR^{3a}R^{3b}NHR^1$, where n is 2 to 4 and R^1, R^{3a}, and R^{3b} are as defined herein;

(c) R^{3a} and R^{3b} are independently (i) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 3 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen or C_{1-6} alkyl and $R^{3''}$ is -OR' or $-N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-

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methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2(halo), such as CH_2F, N_3, CH_2CN, CH_2N_3, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, halogen, including F, Cl, Br, or I;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, halogen, NH_2, or N_3

(h) Y is OH, H, CH_3, vinyl, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3, NH_2, $NHCH_3$, NH(vinyl), NH(acetyl), $NH(C(O)CH_3)$, $N(CH_3)_2$, $N(C(O)CH_3)_2$;

(i) R^7 and R^8 are independently H, F, Cl, Br, I, OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2H, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$.

The fourth aspect of the second embodiment is directed to a compound represented by formula **I-3**

wherein

(a) R^1 is hydrogen, n-alkyl or a substituted or unsubstituted phenyl, where the substitutent of the substituted phenyl is at least one of a CH_3, OCH_3, F, Cl, Br, I, nitro, cyano, and a $CH_{3-q}X_q$, where X is F, Cl, Br, or I, and q is 1-3;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl or R^{3a} is CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, -

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$CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2(halo), such as CH_2F, N_3, CH_2CN, CH_2N_3, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, halogen, including F, Cl, Br, or I;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

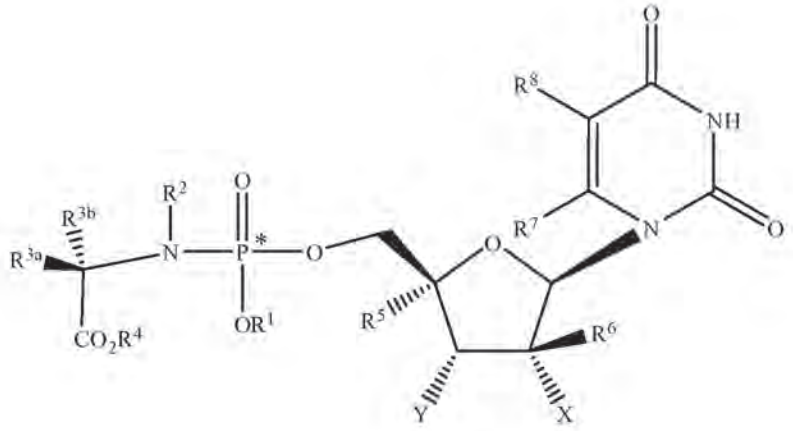
(g) X is H, OH, F, OCH_3, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3, NH_2, $NHCH_3$, NH(vinyl), NH(acetyl), $NH(C(O)CH_3)$, $N(CH_3)_2$, $N(C(O)CH_3)_2$;

(i) R^7 and R^8 are independently H, F, Cl, Br, I, OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2H, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$, wherein R' is a C_{1-20} alkyl; a C_{1-20} cycloalkyl; a C_2-C_6 alkenyl, a C_2-C_6 alkynyl.

The fifth aspect of the second embodiment is directed to a compound represented by formula **I-4**

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I-4

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, or a substituted or unsubstituted phenyl, where the substitutent of the substituted phenyl is at least one of a CH_3, OCH_3, F, Cl, Br, I, nitro, cyano, and a $CH_{3-q}X_q$, where X is F, Cl, Br, or I, and q is 1-3;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl or R^{3a} is CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

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(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, N_3, CH_2CN, CH_2N_3, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, halogen, including F, Cl, Br, or I;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, Cl, Br, I, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3, NH_2, $NHCH_3$, NH(vinyl), NH(acetyl), $NH(C(O)CH_3)$, $N(CH_3)_2$, $N(C(O)CH_3)_2$;

(i) R^7 and R^8 are independently H, F, Cl, Br, I, OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2H, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$, wherein R' is a C_{1-20} alkyl; a C_{1-20} cycloalkyl; a C_2-C_6 alkenyl, a C_2-C_6 alkynyl,

The sixth aspect of the second embodiment is directed to a compound represented by formula **I-4**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

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(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, halogen, including F, Cl, Br, or I;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, NH_2, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3;

(i) R^7 and R^8 are independently H, F, Cl, Br, I, OH, OCH_3, SH, SCH_3, NH_2, $NHCH_3$, $N(CH_3)_2$, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2H, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$, wherein R' is a C_{1-20} alkyl; a C_{1-20} cycloalkyl; a C_2-C_6 alkenyl, a C_2-C_6 alkynyl.

The seventh aspect of the second embodiment is directed to a compound represented by formula **I-4**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, OMe, CN, CH_2F, F, Cl, Br, or I;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, F, OCH_3, F, Cl, Br, I, NH_2 or N_3;

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(h) Y is H, OH, CH_3, F, Cl, Br, I, NH_2 or N_3, OCH3, or $OC(O)CH_3$;

(i) R^7 and R^8 are independently H, F, Br, SCH_3, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$;

The eighth aspect of the second embodiment is directed to a compound represented by formula **I-4**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^7 and R^8 are independently H, F, Br, SCH_3, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$.

The ninth aspect of the second embodiment is directed to a compound represented by formula **I-4**

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wherein

(a) R^1 is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, or N_3;

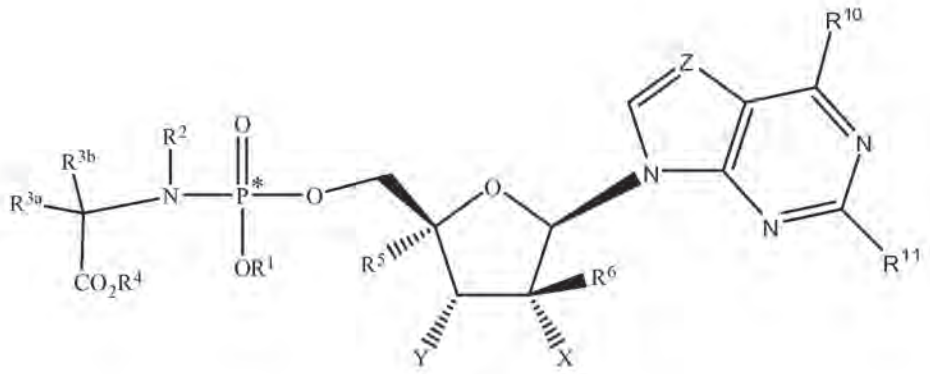
(h) Y is OH, OCH_3, or $OC(O)CH_3$;

(i) R^7 and R^8 are independently H, F, Br, SCH_3, CH_3, $CH_{3-q}X_q$, where X is F, Cl, Br, or I and q is 1 to 3, vinyl, CO_2CH_3, $CONH_2$, $CONHCH_3$, or $CON(CH_3)_2$.

A third embodiment of the invention is directed to a compound represented by formula **I** in which the base is a structure represented by formula **c** above, wherein R^1, R^2, R^{3a}, R^{3b}, R^4, R^5, R^6, X, Y, Z, R^{10}, R^{11}, and R^{12} are defined in the Summary of the Invention section above; with the proviso that R^{11} is not H.

A first aspect of the third embodiment is directed to a compound represented by formula **I-5**

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I-5

wherein

(a) R^1 is hydrogen, n-alkyl; branched alkyl; cycloalkyl; or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are optionally substituted with at least one of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl, $-N(R^{1'})_2$, C_{1-6} acylamino, $-NHSO_2C_{1-6}$ alkyl, $-SO_2N(R^{1'})_2$, $COR^{1''}$, and $-SO_2C_{1-6}$ alkyl; ($R^{1'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{1''}$ is –OR' or $-N(R^{1'})_2$);

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} and R^{3b} are (i) independently selected from hydrogen, C_{1-10} alkyl, cycloalkyl, $-(CH_2)_c(NR^{3'})_2$, C_{1-6} hydroxyalkyl, $-CH_2SH$, $-(CH_2)_2S(O)_dMe$, $-(CH_2)_3NHC(=NH)NH_2$, (1H-indol-3-yl)methyl, (1H-imidazol-4-yl)methyl, $-(CH_2)_eCOR^{3''}$, aryl and aryl C_{1-3} alkyl, said aryl groups optionally substituted with a group selected from hydroxyl, C_{1-10} alkyl, C_{1-6} alkoxy, halogen, nitro and cyano; (ii) R^{3a} and R^{3b} both are C_{1-6} alkyl; (iii) R^{3a} and R^{3b} together are$(CH_2)_f$ so as to form a spiro ring; (iv) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 2 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen

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or C_{1-6} alkyl and $R^{3''}$ is -OR' or $-N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is from H, CH_3, CH_2CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $-CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H, where $R^{3'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{3''}$ is –OR' or $-N(R^{3'})_2$);

(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)amino-lower alkyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., $-(CH_2)_pOH$, where p is 1 -6, including hydroxyl methyl (CH_2OH), CH_2F, N_3, CH_2CN, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R^6 is H, R^5 cannot be N_3 and when X is OH, R^6 is CH_3 or CH_2F and B is a purine base, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OMe, halogen, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, vinyl, N_3, CN, Cl, Br, F, I, NO_2, $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{2-4}$ alkynyl), $OC(O)O(C_{2-4}$ alkenyl), OC_{1-10} haloalkyl, O(aminoacyl), $O(C_{1-10}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl),

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$SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-18}$ acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{2-4}$ alkynyl), $C(O)O(C_{2-4}$ alkenyl), $O(C_{1-4}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-4}$ acyl)$_2$;

(i) R^{10} and R^{11} are independently H, F, Cl, Br, I, OH, OR', SH, SR', NH_2, NHR', NR'$_2$, lower alkyl of C_1-C_6, halogenated (F, Cl, Br, I) lower alkyl of C_1-C_6, lower alkenyl of C_2-C_6, halogenated (F, Cl, Br, I) lower alkenyl of C_2-C_6, lower alkynyl of C_2-C_6 such as C≡CH, halogenated (F, Cl, Br, I) lower alkynyl of C_2-C_6, lower alkoxy of C_1-C_6, halogenated (F, Cl, Br, I) lower alkoxy of C_1-C_6, CO_2H, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$, with the proviso that when R^{10} is OH and R^{11} is not NH_2;

wherein R' is an optionally substituted alkyl , which includes, but is not limited to, an optionally substituted C_{1-20} alkyl, an optionally substituted C_{1-10} alkyl, an optionally substituted lower alkyl; an optionally substituted cycloalkyl; an optionally substituted alkynyl of C_2-C_6, an optionally substituted lower alkenyl of C_2-C_6, or optionally substituted acyl, which includes but is not limited to C(O) alkyl, $C(O)(C_{1-20}$ alkyl), $C(O)(C_{1-10}$ alkyl), or C(O)(lower alkyl) or alternatively, in the instance of NR'$_2$, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OH, OR', SH, SR', NH_2, NHR', NR'$_2$, NO_2 lower alkyl of C_1-C_6, halogenated (F, Cl, Br, I) lower alkyl of C_1-C_6, lower alkenyl of C_2-C_6, halogenated (F, Cl, Br, I) lower alkenyl of C_2-C_6 , lower alkynyl of C_2-C_6, halogenated (F, Cl, Br, I) lower alkynyl of C_2-C_6, lower alkoxy of C_1-C_6, halogenated (F,

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Cl, Br, I) lower alkoxy of C_1-C_6, CO_2H, CO_2R', $CONH_2$, $CONHR'$, $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A second aspect of the third embodiment is directed to a compound represented by formula **I-5**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, halogen, including F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H.

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, Cl, Br, I, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, NH_2, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3;

(i) R^{10} and R^{11} are independently H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, $CONHR'$, $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$, with the proviso that when R^{10} is OH and R^{11} is not NH_2;

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wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A third aspect of the third embodiment is directed to a compound represented by formula **I-5**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_2F, F, Cl, Br, or I; with the proviso that X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, F, OCH_3, F, Cl, Br, I, NH_2 or N_3;

(h) Y is H, OH, CH_3, F, Cl, Br, I, NH_2 or N_3, OCH_3, or $OC(O)CH_3$;

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(i) R^{10} and R^{11} are independently H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$, with the proviso that when R^{10} is OH and R^{11} is not NH_2;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A fourth aspect of the third embodiment is directed to a compound represented by formula **I-5**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

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(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} and R^{11} are independently H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$, with the proviso that when R^{10} is OH and R^{11} is not NH_2;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A fifth aspect of the third embodiment is directed to a compound represented by formula **I-5**

wherein

(a) R^1 is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

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(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} and R^{11} are independently H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$, with the proviso that when R^{10} is OH and R^{11} is not NH_2;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A sixth aspect of the third embodiment is directed to a compound represented by formula **I-5**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl;

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(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, halogen, including F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H.

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, Cl, Br, I, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, NH_2, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3;

(i) R^{10} is NH_2 and R^{11} is H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A seventh aspect of the third embodiment is directed to a compound represented by formula **I-5**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

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(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_2F, F, Cl, Br, or I; with the proviso that X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, F, OCH_3, F, Cl, Br, I, NH_2 or N_3;

(h) Y is H, OH, CH_3, F, Cl, Br, I, NH_2 or N_3, OCH_3, or $OC(O)CH_3$;

(i) R^{10} is NH_2 and R^{11} is H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

An eighth aspect of the third embodiment is directed to a compound represented by formula **I-5**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

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(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} is NH_2 and R^{11} is H, F, Br, I, OH, OR', NH_2, NHR', NR'$_2$, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'$_2$, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'$_2$, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A ninth aspect of the third embodiment is directed to a compound represented by formula **I-5**

wherein

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(a) R^1 is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, or N-methyl-pyrrolidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} is NH_2 and R^{11} is H, F, Br, I, OH, OR', NH_2, NHR', NR'$_2$, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$;

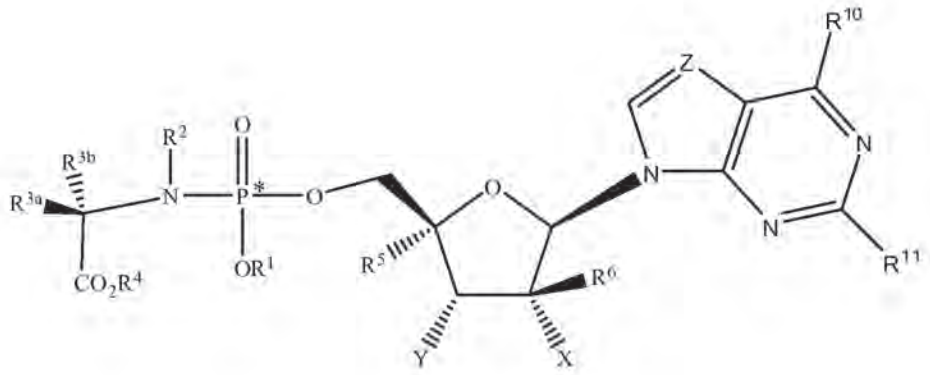
wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'$_2$, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'$_2$, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A tenth aspect of the third embodiment is directed to a compound represented by formula **I-6**

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I-6

wherein

(a) R^1 is hydrogen, n-alkyl; branched alkyl; cycloalkyl; or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are optionally substituted with at least one of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl, $-N(R^{1'})_2$, C_{1-6} acylamino, $-NHSO_2C_{1-6}$ alkyl, $-SO_2N(R^{1'})_2$, $COR^{1''}$, and $-SO_2C_{1-6}$ alkyl; ($R^{1'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{1''}$ is –OR' or $-N(R^{1'})_2$);

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} and R^{3b} are (i) independently selected from hydrogen, C_{1-10} alkyl, cycloalkyl, $-(CH_2)_c(NR^{3'})_2$, C_{1-6} hydroxyalkyl, $-CH_2SH$, $-(CH_2)_2S(O)_dMe$, $-(CH_2)_3NHC(=NH)NH_2$, (1H-indol-3-yl)methyl, (1H-imidazol-4-yl)methyl, $-(CH_2)_eCOR^{3''}$, aryl and aryl C_{1-3} alkyl, said aryl groups optionally substituted with a group selected from hydroxyl, C_{1-10} alkyl, C_{1-6} alkoxy, halogen, nitro and cyano; (ii) R^{3a} and R^{3b} both are C_{1-6} alkyl; (iii) R^{3a} and R^{3b} together are$(CH_2)_f$ so as to form a spiro ring; (iv) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 2 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen

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or C_{1-6} alkyl and $R^{3''}$ is -OR' or $-N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, CH_2CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $-CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H, where $R^{3'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{3''}$ is –OR' or $-N(R^{3'})_2$);

(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)amino-lower alkyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., $-(CH_2)_pOH$, where p is 1 -6, including hydroxyl methyl (CH_2OH), CH_2F, N_3, CH_2CN, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R^6 is H, R^5 cannot be N_3 and when X is OH, R^6 is CH_3 or CH_2F and B is a purine base, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OMe, Cl, Br, I, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, vinyl, N_3, CN, Cl, Br, F, I, NO_2, $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{2-4}$ alkynyl), $OC(O)O(C_{2-4}$ alkenyl), OC_{1-10} haloalkyl, O(aminoacyl), $O(C_{1-10}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl),

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$SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-18}$ acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{2-4}$ alkynyl), $C(O)O(C_{2-4}$ alkenyl), $O(C_{1-4}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-4}$ acyl)$_2$;

(i) R^{10} and R^{11} are independently H, F, Br, I, OH, OR', NH_2, NHR', NR'$_2$, CO_2R', $CONH_2$, CONHR', CONR'$_2$, CH=CHCO_2H, or CH=CHCO_2R', with the proviso that when R^{10} is OH and R^{11} is not NH_2;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'$_2$, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'$_2$, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', CONR'$_2$, CH=CHCO_2H, or CH=CHCO_2R'.

An eleventh aspect of the third embodiment is directed to a compound represented by formula **I-6**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, -$CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH,

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$CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, halogen, including F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, Cl, Br, I, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, NH_2, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3;

(i) R^{10} and R^{11} are independently H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$, with the proviso that when R^{10} is OH and R^{11} is not NH_2;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A twelvth aspect of the third embodiment is directed to a compound represented by formula **I-6**

wherein

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(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_2F, F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, F, OCH_3, F, Cl, Br, I, NH_2 or N_3;

(h) Y is H, OH, CH_3, F, Cl, Br, I, NH_2 or N_3, OCH_3, or $OC(O)CH_3$;

(i) R^{10} and R^{11} are independently H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$, with the proviso that when R^{10} is OH and R^{11} is not NH_2;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is a H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A thirteenth aspect of the third embodiment is directed to a compound represented

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by formula **I-6**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} and R^{11} are independently H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH{=}CHCO_2H$, or $CH{=}CHCO_2R'$, with the proviso that when R^{10} is OH and R^{11} is not NH_2;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

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R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'$_2$, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A fourteenth aspect of the third embodiment is directed to a compound represented by formula **I-6**

wherein

(a) R^1 is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} and R^{11} are independently H, F, Br, I, OH, OR', NH_2, NHR', NR'$_2$, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$, with the proviso that when R^{10} is OH and R^{11} is not NH_2;

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wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A fifteenth aspect of the third embodiment is directed to a compound represented by formula **I-6**

wherein

(a) R^1 is hydrogen, n-alkyl; branched alkyl; cycloalkyl; or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are optionally substituted with at least one of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl, $-N(R^{1'})_2$, C_{1-6} acylamino, $-NHSO_2C_{1-6}$ alkyl, $-SO_2N(R^{1'})_2$, $COR^{1''}$, and $-SO_2C_{1-6}$ alkyl; ($R^{1'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{1''}$ is –OR' or $-N(R^{1'})_2$);

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} and R^{3b} are (i) independently selected from hydrogen, C_{1-10} alkyl, cycloalkyl, $-(CH_2)_c(NR^{3'})_2$, C_{1-6} hydroxyalkyl, $-CH_2SH$, $-(CH_2)_2S(O)_dMe$, $-(CH_2)_3NHC(=NH)NH_2$, (1H-indol-3-yl)methyl, (1H-imidazol-4-yl)methyl, $-(CH_2)_eCOR^{3''}$, aryl and aryl C_{1-3} alkyl, said aryl groups optionally substituted with a group selected from hydroxyl, C_{1-10} alkyl, C_{1-6} alkoxy, halogen, nitro and cyano; (ii) R^{3a} and R^{3b} both are C_{1-6} alkyl; (iii) R^{3a} and R^{3b} together are$(CH_2)_f$ so as to form a spiro ring; (iv) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 2 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen

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or C_{1-6} alkyl and $R^{3''}$ is -OR' or $-N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, CH_2CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $-CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H, where $R^{3'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{3''}$ is –OR' or $-N(R^{3'})_2$);

(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)amino-lower alkyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., $-(CH_2)_pOH$, where p is 1 -6, including hydroxyl methyl (CH_2OH), CH_2F, N_3, CH_2CN, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R^6 is H, R^5 cannot be N_3 and when X is OH, R^6 is CH_3 or CH_2F and B is a purine base, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OMe, halogen, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, vinyl, N_3, CN, Cl, Br, F, I, NO_2, $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{2-4}$ alkynyl), $OC(O)O(C_{2-4}$ alkenyl), OC_{1-10} haloalkyl, O(aminoacyl), $O(C_{1-10}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl),

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$SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-18}$ acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{2-4}$ alkynyl), $C(O)O(C_{2-4}$ alkenyl), $O(C_{1-4}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-4}$ acyl)$_2$;

(i) R^{10} is NH_2 and R^{11} is H, F, Br, I, OH, OR', NH_2, NHR', NR'$_2$, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2$R';

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'$_2$, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'$_2$, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2$R'.

An sixteenth aspect of the third embodiment is directed to a compound represented by formula **I-6**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH,

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$CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, halogen, including F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, Cl, Br, I, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, NH_2, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3;

(i) R^{10} is NH_2 and R^{11} is H, F, Br, I, OH, OR', NH_2, NHR', NR'$_2$, CO_2R', $CONH_2$, CONHR', CONR'$_2$, CH=$CHCO_2H$, or CH=$CHCO_2$R';

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'$_2$, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'$_2$, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', CONR'$_2$, CH=$CHCO_2H$, or CH=$CHCO_2$R'.

A seventeenth aspect of the third embodiment is directed to a compound represented by formula **I-6**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

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(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_2F, F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, F, OCH_3, F, Cl, Br, I, NH_2 or N_3;

(h) Y is H, OH, CH_3, F, Cl, Br, I, NH_2 or N_3, OCH_3, or $OC(O)CH_3$;

(i) R^{10} is NH_2 and R^{11} is H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

An eighteenth aspect of the third embodiment is directed to a compound represented by formula **I-6**

wherein

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(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} is NH_2 and R^{11} is H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A nineteenth aspect of the third embodiment is directed to a compound represented by formula **I-6**

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wherein

(a) R^1 is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} is NH_2 and R^{11} are independently H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$;

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

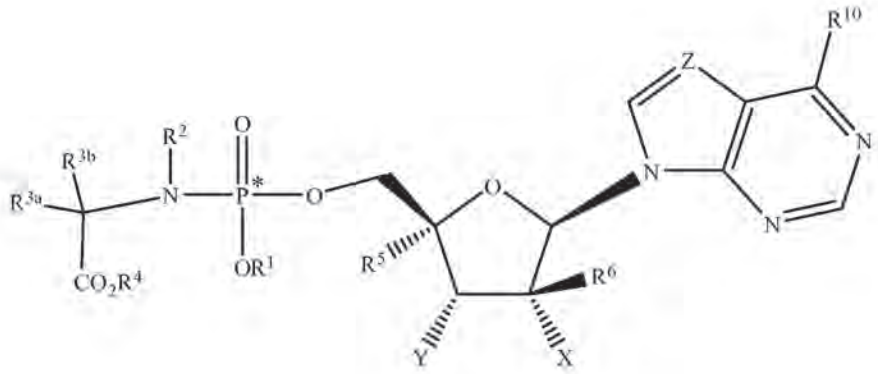
(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

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A fourth embodiment of the invention is directed to a compound represented by formula I in which the base is a structure represented by formula **c** above, where R^{11} is H and R^2, R^{3a}, R^{3b}, R^4, R^5, R^6, X, and Y are defined in the Summary of the Invention section above.

A first aspect of the fourth embodiment is directed to a compound represented by formula **I-7**



I-7

wherein

(a) R^1 is hydrogen, n-alkyl; branched alkyl; cycloalkyl; or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are optionally substituted with at least one of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl, $-N(R^{1'})_2$, C_{1-6} acylamino, $-NHSO_2C_{1-6}$ alkyl, $-SO_2N(R^{1'})_2$, $COR^{1''}$, and $-SO_2C_{1-6}$ alkyl; ($R^{1'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{1''}$ is $-OR^{1'}$ or $-N(R^{1'})_2$);

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} and R^{3b} are (i) independently selected from hydrogen, C_{1-10} alkyl, cycloalkyl, $-(CH_2)_c(NR^{3'})_2$, C_{1-6} hydroxyalkyl, $-CH_2SH$, $-(CH_2)_2S(O)_dMe$, $-(CH_2)_3NHC(=NH)NH_2$, (1H-indol-3-yl)methyl, (1H-imidazol-4-yl)methyl, -

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$(CH_2)_eCOR^{3''}$, aryl and aryl C_{1-3} alkyl, said aryl groups optionally substituted with a group selected from hydroxyl, C_{1-10} alkyl, C_{1-6} alkoxy, halogen, nitro and cyano; (ii) R^{3a} and R^{3b} both are C_{1-6} alkyl; (iii) R^{3a} and R^{3b} together are$(CH_2)_f$ so as to form a spiro ring; (iv) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 2 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen or C_{1-6} alkyl and $R^{3''}$ is -OR' or $-N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, CH_2CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $-CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H, where $R^{3'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{3''}$ is –OR' or $-N(R^{3'})_2$);

(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)amino-lower alkyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., $-(CH_2)_pOH$, where p is 1 -6, including hydroxyl methyl (CH_2OH), CH_2F, N_3, CH_2CN, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R^6 is H, R^5 cannot be N_3 and when X is OH, R^6 is CH_3 or CH_2F and B is a purine base, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

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(g) X is H, OH, F, OMe, halogen, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, vinyl, N_3, CN, Cl, Br, F, I, NO_2, $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{2-4}$ alkynyl), $OC(O)O(C_{2-4}$ alkenyl), OC_{1-10} haloalkyl, O(aminoacyl), $O(C_{1-10}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-18}$ acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{2-4}$ alkynyl), $C(O)O(C_{2-4}$ alkenyl), $O(C_{1-4}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-4}$ acyl)$_2$;

(i) R^{10} is H, F, Cl, Br, I, OH, OR', SH, SR', NH_2, NHR', NR'$_2$, lower alkyl of C_1-C_6, halogenated (F, Cl, Br, I) lower alkyl of C_1-C_6, lower alkenyl of C_2-C_6, halogenated (F, Cl, Br, I) lower alkenyl of C_2-C_6, lower alkynyl of C_2-C_6 such as C≡CH, halogenated (F, Cl, Br, I) lower alkynyl of C_2-C_6, lower alkoxy of C_1-C_6, halogenated (F, Cl, Br, I) lower alkoxy of C_1-C_6, CO_2H, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$,

wherein R' is an optionally substituted alkyl , which includes, but is not limited to, an optionally substituted C_{1-20} alkyl, an optionally substituted C_{1-10} alkyl, an optionally substituted lower alkyl; an optionally substituted cycloalkyl; an optionally substituted alkynyl of C_2-C_6, an optionally substituted lower alkenyl of C_2-C_6, or optionally substituted acyl, which includes but is not limited to C(O) alkyl, $C(O)(C_{1-20}$ alkyl), $C(O)(C_{1-10}$ alkyl), or C(O)(lower alkyl) or alternatively, in the instance of NR'$_2$, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

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(j) Z is N or CR^{12}; and

R^{12} is H, halogen (including F, Cl, Br, I), OH, OR', SH, SR', NH_2, NHR', NR'_2, NO_2 lower alkyl of C_1-C_6, halogenated (F, Cl, Br, I) lower alkyl of C_1-C_6, lower alkenyl of C_2-C_6, halogenated (F, Cl, Br, I) lower alkenyl of C_2-C_6 , lower alkynyl of C_2-C_6, halogenated (F, Cl, Br, I) lower alkynyl of C_2-C_6, lower alkoxy of C_1-C_6, halogenated (F, Cl, Br, I) lower alkoxy of C_1-C_6, CO_2H, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$; with the proviso that R^{12} is not a: (i) –C≡C–H, (ii) –$C=CH_2$, or (iii) $–NO_2$.

A second aspect of the fourth embodiment is directed to a compound represented by formula **I-7**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, halogen, including F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H.

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

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(g) X is H, OH, F, OCH_3, halogen, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, NH_2, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3;

(i) R^{10} is H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$,

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$; with the proviso that R^{12} is not a: (i) $-C\equiv C-H$, (ii) $-C=CH_2$, or (iii) $-NO_2$.

A third aspect of the third embodiment is directed to a compound represented by formula **I-7**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

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(e) R^5 is H, CN, CH_2F, F, Cl, Br, or I; with the proviso that X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, F, OCH_3, F, Cl, Br, I, NH_2 or N_3;

(h) Y is H, OH, CH_3, F, Cl, Br, I, NH_2 or N_3, OCH_3, or $OC(O)CH_3$;

(i) R^{10} is H, F, Br, I, OH, OR', NH_2, NHR', NR'$_2$, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$,

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'$_2$, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'$_2$, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$; with the proviso that R^{12} is not a: (i) $-C\equiv C-H$, (ii) $-C=CH_2$, or (iii) $-NO_2$.

A fourth aspect of the fourth embodiment is directed to a compound represented by formula **I-7**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-

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methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} and R^{11} H, F, Br, I, OH, OR', NH_2, NHR', NR'$_2$, CO_2R', $CONH_2$, CONHR', CONR'$_2$, CH=CHCO$_2$H, or CH=CHCO$_2$R',

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'$_2$, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'$_2$, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', CONR'$_2$, CH=CHCO$_2$H, or CH=CHCO$_2$R'; with the proviso that R^{12} is not a: (i) –C≡C–H, (ii) –C=CH$_2$, or (iii) –NO_2.

A fifth aspect of the fourth embodiment is directed to a compound represented by formula **I-7**

wherein

(a) R^1 is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

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(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} is H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$,

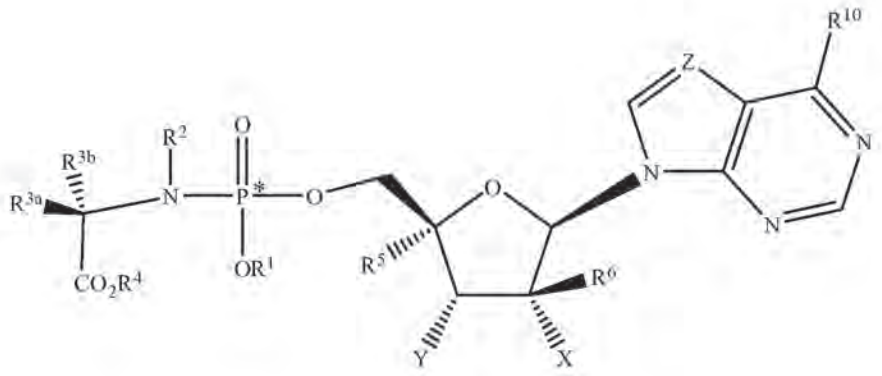
wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$.

A sixth aspect of the fourth embodiment is directed to a compound represented by formula **I-8**

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I-8

wherein

(a) R^1 is hydrogen, n-alkyl; branched alkyl; cycloalkyl; or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are optionally substituted with at least one of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl, $-N(R^{1'})_2$, C_{1-6} acylamino, $-NHSO_2C_{1-6}$ alkyl, $-SO_2N(R^{1'})_2$, $COR^{1''}$, and $-SO_2C_{1-6}$ alkyl; ($R^{1'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{1''}$ is –OR' or $-N(R^{1'})_2$);

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} and R^{3b} are (i) independently selected from hydrogen, C_{1-10} alkyl, cycloalkyl, $-(CH_2)_e(NR^{3'})_2$, C_{1-6} hydroxyalkyl, $-CH_2SH$, $-(CH_2)_2S(O)_dMe$, $-(CH_2)_3NHC(=NH)NH_2$, (1H-indol-3-yl)methyl, (1H-imidazol-4-yl)methyl, $-(CH_2)_eCOR^{3''}$, aryl and aryl C_{1-3} alkyl, said aryl groups optionally substituted with a group selected from hydroxyl, C_{1-10} alkyl, C_{1-6} alkoxy, halogen, nitro and cyano; (ii) R^{3a} and R^{3b} both are C_{1-6} alkyl; (iii) R^{3a} and R^{3b} together are$(CH_2)_f$ so as to form a spiro ring; (iv) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 2 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen

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or C_{1-6} alkyl and $R^{3''}$ is -OR' or $-N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, CH_2CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $-CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H, where $R^{3'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{3''}$ is –OR' or $-N(R^{3'})_2$);

(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)amino-lower alkyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

(e) R^5 is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., $-(CH_2)_pOH$, where p is 1 -6, including hydroxyl methyl (CH_2OH), CH_2F, N_3, CH_2CN, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R^6 is H, R^5 cannot be N_3 and when X is OH, R^6 is CH_3 or CH_2F and B is a purine base, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OMe, halogen, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, vinyl, N_3, CN, Cl, Br, F, I, NO_2, $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{2-4}$ alkynyl), $OC(O)O(C_{2-4}$ alkenyl), OC_{1-10} haloalkyl, O(aminoacyl), $O(C_{1-10}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl),

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$OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-18}$ acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{2-4}$ alkynyl), $C(O)O(C_{2-4}$ alkenyl), $O(C_{1-4}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-4}$ acyl)$_2$;

(i) R^{10} is H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH{=}CHCO_2H$, or $CH{=}CHCO_2R'$,

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH{=}CHCO_2H$, or $CH{=}CHCO_2R'$; with the proviso that when base is represented by the structure c with R^{11} being hydrogen, R^{12} is not a: (i) $-C{\equiv}C-H$, (ii) $-C{=}CH_2$, or (iii) $-NO_2$.

A seventh aspect of the fourth embodiment is directed to a compound represented by formula **I-8**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

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(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, halogen, including F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, halogen, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, NH_2, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3;

(i) R^{10} is H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$,

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$; with the proviso that R^{12} is not a: (i) $-C\equiv C-H$, (ii) $-C=CH_2$, or (iii) $-NO_2$.

An eighth aspect of the fourth embodiment is directed to a compound represented by formula **I-8**

wherein

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(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl , N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_2F, F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, F, OCH_3, F, Cl, Br, I, NH_2 or N_3;

(h) Y is H, OH, CH_3, F, Cl, Br, I, NH_2 or N_3, OCH_3, or $OC(O)CH_3$;

(i) R^{10} is H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$,

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$; with the proviso that R^{12} is not a: (i) $-C\equiv C-H$, (ii) $-C=CH_2$, or (iii) $-NO_2$.

A ninth aspect of the fourth embodiment is directed to a compound represented by

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formula **I-8**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} is H, F, Br, I, OH, OR', NH_2, NHR', NR'_2, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH{=}CHCO_2H$, or $CH{=}CHCO_2R'$,

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

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R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'$_2$, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$; with the proviso that R^{12} is not a: (i) $-C\equiv C-H$, (ii) $-C=CH_2$, or (iii) $-NO_2$.

A tenth aspect of the fourth embodiment is directed to a compound represented by formula **I-8**

wherein

(a) R^1 is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

(i) R^{10} is H, F, Br, I, OH, OR', NH_2, NHR', NR'$_2$, CO_2R', $CONH_2$, CONHR', CONR'$_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$,

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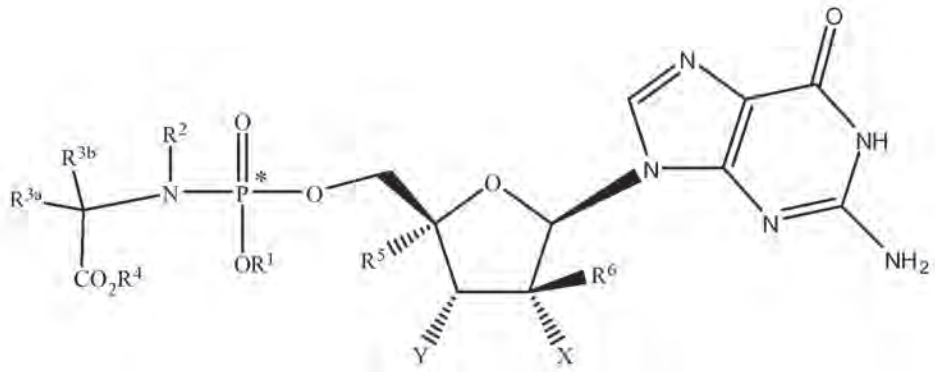
wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or alternatively, in the instance of NR'_2, each R' comprise at least one C atom that are joined to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR^{12}; and

R^{12} is an H, halogen (including F, Cl, Br, I), OR', NH_2, NHR', NR'_2, NO_2, lower alkyl of C_1-C_6, CO_2R', $CONH_2$, CONHR', $CONR'_2$, $CH=CHCO_2H$, or $CH=CHCO_2R'$; with the proviso that R^{12} is not a: (i) –C≡C–H, (ii) $–C=CH_2$, or (iii) $–NO_2$.

A fifth embodiment of the invention is directed to a compound represented by formula **I** in which the base is a structure represented by formula **d** above, wherein R^1, R^2, R^{3a}, R^{3b}, R^4, R^5, R^6, X, and Y are defined in the Summary of the Invention section above.

The first aspect of the fifth embodiment is directed to a compound represented by formula **I-9**



I-9

wherein

(a) R^1 is hydrogen, n-alkyl; branched alkyl; cycloalkyl; or aryl, which includes, but is not limited to, phenyl or naphthyl, where phenyl or naphthyl are optionally substituted with at least one of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, F, Cl, Br, I, nitro, cyano, C_{1-6} haloalkyl, $-N(R^{1'})_2$, C_{1-6} acylamino, $-NHSO_2C_{1-6}$

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alkyl, $-SO_2N(R^{1'})_2$, $COR^{1''}$, and $-SO_2C_{1-6}$ alkyl; ($R^{1'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{1''}$ is –OR' or $-N(R^{1'})_2$);

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} and R^{3b} are (i) independently selected from hydrogen, C_{1-10} alkyl, cycloalkyl, $-(CH_2)_e(NR^{3'})_2$, C_{1-6} hydroxyalkyl, $-CH_2SH$, $-(CH_2)_2S(O)_dMe$, $-(CH_2)_3NHC(=NH)NH_2$, (1H-indol-3-yl)methyl, (1H-imidazol-4-yl)methyl, $-(CH_2)_eCOR^{3''}$, aryl and aryl C_{1-3} alkyl, said aryl groups optionally substituted with a group selected from hydroxyl, C_{1-10} alkyl, C_{1-6} alkoxy, halogen, nitro and cyano; (ii) R^{3a} and R^{3b} both are C_{1-6} alkyl; (iii) R^{3a} and R^{3b} together are$(CH_2)_f$ so as to form a spiro ring; (iv) R^{3a} is hydrogen and R^{3b} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms (v) R^{3b} is hydrogen and R^{3a} and R^2 together are $(CH_2)_n$ so as to form a cyclic ring that includes the adjoining N and C atoms, where c is 1 to 6, d is 0 to 2, e is 0 to 3, f is 2 to 5, n is 2 to 4, and where $R^{3'}$ is independently hydrogen or C_{1-6} alkyl and $R^{3''}$ is -OR' or $–N(R^{3'})_2$); (vi) R^{3a} is H and R^{3b} is H, CH_3, CH_2CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl; or (viii) R^{3a} is CH_3, $-CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H, where $R^{3'}$ is independently hydrogen or alkyl, which includes, but is not limited to, C_{1-20} alkyl, C_{1-10} alkyl, or C_{1-6} alkyl, $R^{3''}$ is –OR' or $-N(R^{3'})_2$);

(d) R^4 is hydrogen, C_{1-10} alkyl, C_{1-10} alkyl optionally substituted with a lower alkyl, alkoxy or halogen, C_{1-10} haloalkyl, C_{3-10} cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)amino-lower alkyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;

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(e) R^5 is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., -$(CH_2)_pOH$, where p is 1 -6, including hydroxyl methyl (CH_2OH), CH_2F, N_3, CH_2CN, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R^6 is H, R^5 cannot be N_3 and when X is OH, R^6 is CH_3 or CH_2F and B is a purine base, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OMe, halogen, NH_2, or N_3;

(h) Y is OH, H, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, vinyl, N_3, CN, Cl, Br, F, I, NO_2, $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{1-4}$ alkyl), $OC(O)O(C_{2-4}$ alkynyl), $OC(O)O(C_{2-4}$ alkenyl), OC_{1-10} haloalkyl, O(aminoacyl), $O(C_{1-10}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-18}$ acyl)$_2$, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N_3, CN, one to three halogen (Cl, Br, F, I), NO_2, $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{1-4}$ alkyl), $C(O)O(C_{2-4}$ alkynyl), $C(O)O(C_{2-4}$ alkenyl), $O(C_{1-4}$ acyl), $O(C_{1-4}$ alkyl), $O(C_{2-4}$ alkenyl), $S(C_{1-4}$ acyl), $S(C_{1-4}$ alkyl), $S(C_{2-4}$ alkynyl), $S(C_{2-4}$ alkenyl), $SO(C_{1-4}$ acyl), $SO(C_{1-4}$ alkyl), $SO(C_{2-4}$ alkynyl), $SO(C_{2-4}$ alkenyl), $SO_2(C_{1-4}$ acyl), $SO_2(C_{1-4}$ alkyl), $SO_2(C_{2-4}$ alkynyl), $SO_2(C_{2-4}$ alkenyl), $OS(O)_2(C_{1-4}$ acyl), $OS(O)_2(C_{1-4}$ alkyl), $OS(O)_2(C_{2-4}$ alkenyl), NH_2, $NH(C_{1-4}$ alkyl), $NH(C_{2-4}$ alkenyl), $NH(C_{2-4}$ alkynyl), $NH(C_{1-4}$ acyl), $N(C_{1-4}$ alkyl)$_2$, $N(C_{1-4}$ acyl)$_2$.

A second aspect of the fifth embodiment is directed to a compound represented by formula **I-9**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

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(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, halogen, including F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H.

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, halogen, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, NH_2, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3;

A third aspect of the fifth embodiment is directed to a compound represented by formula **I-9**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-

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methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_2F, F, Cl, Br, or I; with the proviso that X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, F, OCH_3, F, Cl, Br, I, NH_2 or N_3;

(h) Y is H, OH, CH_3, F, Cl, Br, I, NH_2 N_3, OCH_3, or $OC(O)CH_3$;

A fourth aspect of the fifth embodiment is directed to a compound represented by formula **I-9**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

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(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

A fifth aspect of the fifth embodiment is directed to a compound represented by formula **I-9**

wherein

(a) R^1 is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

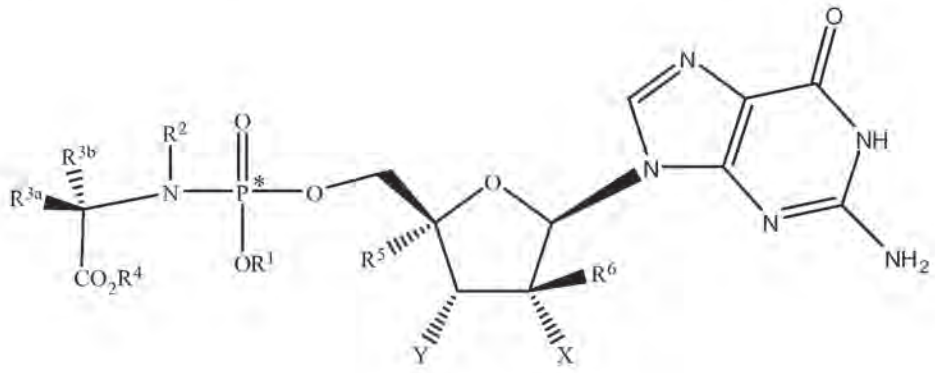
(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

A sixth aspect of the fifth embodiment is directed to a compound represented by formula **I-10**

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I-10

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, or a substituted or unsubstituted phenyl, where the substitutent of the substituted phenyl is at least one of a CH_3, OCH_3, F, Cl, Br, I, nitro, cyano, and a $CH_{3-q}X_q$, where X is F, Cl, Br, or I, and q is 1-3;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl or R^{3a} is CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl and R^{3b} is H;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

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(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, N_3, CH_2CN, CH_2N_3, CH_2NH_2, CH_2NHCH_3, $CH_2N(CH_3)_2$, halogen, including F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

(g) X is H, OH, F, OCH_3, Cl, Br, I, NH_2, or N_3;

(h) Y is OH, H, CH_3, vinyl, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3, NH_2, $NHCH_3$, NH(vinyl), NH(acetyl), $NH(C(O)CH_3)$, $N(CH_3)_2$, $N(C(O)CH_3)_2$;

A seventh aspect of the fifth embodiment is directed to a compound represented by formula **I-10**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, CH_2-indol-3-yl, $-CH_2CH_2SCH_3$, CH_2CO_2H, $CH_2C(O)NH_2$, CH_2CH_2COOH, $CH_2CH_2C(O)NH_2$, $CH_2CH_2CH_2CH_2NH_2$, $-CH_2CH_2CH_2NHC(NH)NH_2$, CH_2-imidazol-4-yl, CH_2OH, $CH(OH)CH_3$, CH_2((4'-OH)-Ph), CH_2SH, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_3, OCH_3, CH_2OH, CH_2F, halogen, including F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, F, or CN;

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(g) X is H, OH, F, OCH_3, Cl, Br, I, NH_2, or N_3; and

(h) Y is OH, H, CH_3, vinyl, NH_2, N_3, CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3.

An eighth aspect of the fifth embodiment is directed to a compound represented by formula **I-10**

wherein

(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen or CH_3;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, CN, CH_2F, F, Cl, Br, or I, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, F, OCH_3, F, Cl, Br, I, NH_2 or N_3;

(h) Y is H, OH, CH_3, F, Cl, Br, I, NH_2 or N_3, OCH_3, or $OC(O)CH_3$;

A ninth aspect of the fifth embodiment is directed to a compound represented by formula **I-10**

wherein

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(a) R^1 is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, p-tolyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$;

A tenth aspect of the fifth embodiment is directed to a compound represented by formula **I-10**

wherein

(a) R^1 is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

(b) R^2 is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH_3, $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph, or lower cycloalkyl;

(d) R^4 is hydrogen, CH_3, Et, ^{i}Pr, ^{n}Pr, ^{n}Bu, 2-butyl, ^{t}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-

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methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F, R^5 cannot be H;

(f) R^6 is H, CH_3, CH_2F, CHF_2, CF_3, or F;

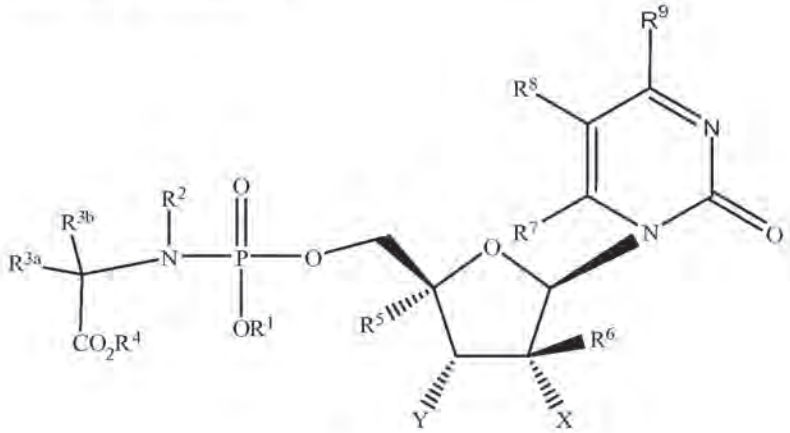
(g) X is H, OH, OCH_3, F, NH_2 or N_3;

(h) Y is OH, NH_2, OCH_3, or $OC(O)CH_3$.

The following tables contain numeric identifiers associated with various substituent designators that should be viewed in light of the accompanying structure. These structures are contemplated species of the various aspects of the disclosed embodiments and are not intended to be limiting on full breadth of the contemplated compound represented by the structure of formula **I**. However, it is contemplated that any one of the exemplified nucleoside bases can be used in combination with any one of contemplated species that specify a particular combination of R^1, R^2, R^{3a}, R^{3b}, R^4, R^5, R^6, X, and Y. In each of the presented tables, the phosphoramidate substituent containing the substituents R^{3a} and R^{3b} are depicted without reference to stereochemical structure (*cf.* structures **I-1**, **I-3**, **I-5**, **I-7**, and **I-9** above). It is contemplated that the compounds recited below embody compounds in which R^{3a} projects toward the viewer while R^{3b} projects away from the viewer (cf. structures **I-2**, **I-4**, **I-6**, **I-8**, and **I-10**). Moreover, it is contemplated that the compounds recited below also embody compounds in which R^{3a} projects away from the viewer while R^{3b} projects towards the viewer. Not meant to be limiting, however, it is contemplated that preferred compounds are those in which R^{3a} projects towards the viewer and R^{3b} projects away from the viewer such that the natural L-amino acid (S)-configuration is presented. Additionally, the inventors recognize that the phosphorus atom of the phosphoramidate moiety is another source of chirality. Although the structures below do not specifically depict chirality at phosphorus, the inventors recognize that stereochemical configurations are possible such that in a staggered (or zig-zag) line structure the oxo-substitutent projects towards the viewer

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while the OR^1 substitutent projects away from the viewer, and vice versa, i.e., where the Cahn-Ingold-Prelog stereochemical designation of phosphorous is either R or S. Therefore, the structures below include all possible stereochemical configurations possible for phosphorus.



II

Table II-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-1-1	CH_3	H	H	H	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-1-2	CH_3	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-1-5	CH_3	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-1-8	CH_3	*	H	*	CH_3	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-2-1	Et	H	H	H	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-2-2	Et	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-2-5	Et	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-2-8	Et	*	H	*	CH_3	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-3-1	^{i}Pr	H	H	H	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-3-2	^{i}Pr	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-3-8	^{i}Pr	*	H	*	CH_3	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-4-1	^{t}Bu	H	H	H	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-4-2	^{t}Bu	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-4-8	^{t}Bu	*	H	*	CH_3	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-5-1	Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-5-2	Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-5-5	Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-5-8	Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-6-1	p-Me-Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-6-2	p-Me-Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-6-8	p-Me-Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-7-1	p-F-Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-7-2	p-F-Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-7-20	p-F-Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-8-1	p-Cl-Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-8-2	p-Cl-Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-8-8	p-Cl-Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-9-1	p-Br-Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-9-2	p-Br-Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-9-20	p-Br-Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-10-1	p-I-Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-10-2	p-I-Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H	NH_2
II-10-8	p-I-Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table II-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-11-1	CH_3	H	H	H	Et	H	CH_3	OH	OH	H	H	NH_2
II-11-2	CH_3	H	H	CH_3	Et	H	CH_3	OH	OH	H	H	NH_2
II-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-11-5	CH_3	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H	NH_2
II-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H	NH_2
II-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H	NH_2
II-11-8	CH_3	*	H	*	Et	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-12-1	Et	H	H	H	Et	H	CH_3	OH	OH	H	H	NH_2
II-12-2	Et	H	H	CH_3	Et	H	CH_3	OH	OH	H	H	NH_2
II-12-3	Et	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-12-5	Et	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H	NH_2
II-12-6	Et	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H	NH_2
II-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H	NH_2
II-12-8	Et	*	H	*	Et	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-13-1	^{i}Pr	H	H	H	Et	H	CH_3	OH	OH	H	H	NH_2
II-13-2	^{i}Pr	H	H	CH_3	Et	H	CH_3	OH	OH	H	H	NH_2
II-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-13-5	^{i}Pr	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H	NH_2
II-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H	NH_2
II-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H	NH_2
II-13-8	^{i}Pr	*	H	*	Et	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table II-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-14-1	^{t}Bu	H	H	H	Et	H	CH_3	OH	OH	H	H	NH_2
II-14-2	^{t}Bu	H	H	CH_3	Et	H	CH_3	OH	OH	H	H	NH_2
II-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-14-5	^{t}Bu	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H	NH_2
II-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H	NH_2
II-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H	NH_2
II-14-8	^{t}Bu	*	H	*	Et	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-15-1	Ph	H	H	H	Et	H	CH_3	OH	OH	H	H	NH_2
II-15-2	Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H	NH_2
II-15-3	Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-15-5	Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H	NH_2
II-15-6	Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H	NH_2
II-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H	NH_2
II-15-8	Ph	*	H	*	Et	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-16-1	p-Me-Ph	H	H	H	Et	H	CH_3	OH	OH	H	H	NH_2
II-16-2	p-Me-Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H	NH_2
II-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-16-5	p-Me-Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H	NH_2
II-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H	NH_2
II-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H	NH_2
II-16-8	p-Me-Ph	*	H	*	Et	H	CH_3	OH	OH	H	H	NH_2

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-17-1	p-F-Ph	H	H	H	Et	H	CH_3	OH	OH	H	H	NH_2
II-17-2	p-F-Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H	NH_2
II-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-17-5	p-F-Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H	NH_2
II-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H	NH_2
II-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H	NH_2
II-17-8	p-F-Ph	*	H	*	Et	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-18-1	p-Cl-Ph	H	H	H	Et	H	CH_3	OH	OH	H	H	NH_2
II-18-2	p-Cl-Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H	NH_2
II-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H	NH_2
II-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H	NH_2
II-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H	NH_2
II-18-8	p-Cl-Ph	*	H	*	Et	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-19-1	p-Br-Ph	H	H	H	Et	H	CH_3	OH	OH	H	H	NH_2
II-19-2	p-Br-Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H	NH_2
II-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-19-5	p-Br-Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H	NH_2
II-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H	NH_2
II-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-19-8	p-Br-Ph	*	H	*	Et	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-20-1	p-I-Ph	H	H	H	Et	H	CH_3	OH	OH	H	H	NH_2
II-20-2	p-I-Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H	NH_2
II-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H	NH_2
II-20-5	p-I-Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H	NH_2
II-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H	NH_2
II-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H	NH_2
II-20-8	p-I-Ph	*	H	*	Et	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-21-1	CH_3	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-21-2	CH_3	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-21-8	CH_3	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-22-1	Et	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-22-2	Et	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-22-5	Et	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-22-8	Et	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-23-1	^{i}Pr	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-23-8	^{i}Pr	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-24-1	^{t}Bu	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-24-8	^{t}Bu	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-25-1	Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-25-2	Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-25-5	Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-25-8	Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-26-1	p-Me-Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-26-8	p-Me-Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-27-1	p-F-Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-27-8	p-F-Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-28-1	p-Cl-Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-28-8	p-Cl-Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-29-1	p-Br-Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-29-8	p-Br-Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-30-1	p-I-Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2
II-30-8	p-I-Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-31.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-31-1	CH_3	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-31-2	CH_3	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-31-8	CH_3	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-32-1	Et	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-32-2	Et	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-32-5	Et	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-32-8	Et	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-33-1	^{i}Pr	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-33-8	^{i}Pr	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table II-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-34-1	^{t}Bu	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-34-8	^{t}Bu	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-35-1	Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-35-2	Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-35-5	Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-35-8	Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-36-1	p-Me-Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-36-8	p-Me-Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table II-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-37-1	p-F-Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-37-8	p-F-Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-38-1	p-Cl-Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-38-8	p-Cl-Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-39-1	p-Br-Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-39-8	p-Br-Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table II-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-40-1	p-I-Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2
II-40-8	p-I-Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-41-1	CH_3	H	H	H	Bz	H	CH_3	OH	OH	H	H	NH_2
II-41-2	CH_3	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H	NH_2
II-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-41-5	CH_3	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H	NH_2
II-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H	NH_2
II-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-41-8	CH_3	*	H	*	Bz	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-42-1	Et	H	H	H	Bz	H	CH_3	OH	OH	H	H	NH_2
II-42-2	Et	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H	NH_2
II-42-3	Et	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-42-5	Et	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H	NH_2
II-42-6	Et	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H	NH_2
II-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-42-8	Et	*	H	*	Bz	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table II-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-43-1	^{i}Pr	H	H	H	Bz	H	CH_3	OH	OH	H	H	NH_2
II-43-2	^{i}Pr	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H	NH_2
II-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-43-5	^{i}Pr	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H	NH_2
II-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H	NH_2
II-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-43-8	^{i}Pr	*	H	*	Bz	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-44-1	^{t}Bu	H	H	H	Bz	H	CH_3	OH	OH	H	H	NH_2
II-44-2	^{t}Bu	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H	NH_2
II-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-44-5	^{t}Bu	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H	NH_2
II-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H	NH_2
II-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-44-8	^{t}Bu	*	H	*	Bz	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-45-1	Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H	NH_2
II-45-2	Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H	NH_2
II-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-45-5	Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H	NH_2
II-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H	NH_2
II-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-45-8	Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H	NH_2

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-46-1	p-Me-Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H	NH_2
II-46-2	p-Me-Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H	NH_2
II-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H	NH_2
II-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H	NH_2
II-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-46-8	p-Me-Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-47-1	p-F-Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H	NH_2
II-47-2	p-F-Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H	NH_2
II-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-47-5	p-F-Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H	NH_2
II-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H	NH_2
II-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-47-8	p-F-Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-48-1	p-Cl-Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H	NH_2
II-48-2	p-Cl-Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H	NH_2
II-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H	NH_2
II-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H	NH_2
II-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-48-8	p-Cl-Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-49-1	p-Br-Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H	NH_2
II-49-2	p-Br-Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H	NH_2
II-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H	NH_2
II-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H	NH_2
II-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-49-8	p-Br-Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H	NH_2

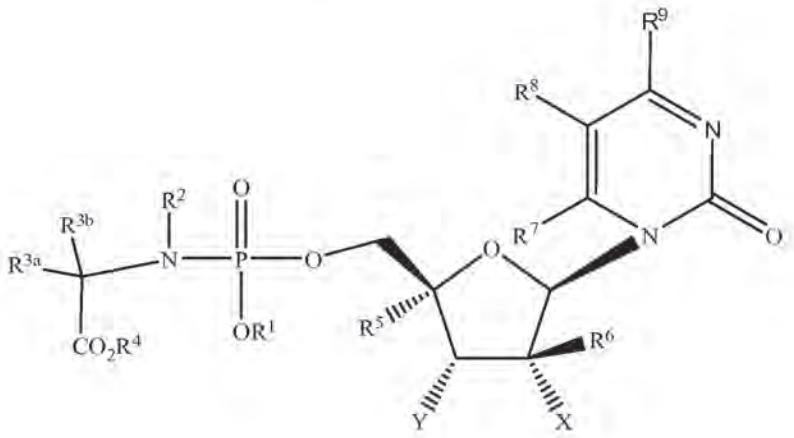
*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table II-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
II-50-1	p-I-Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H	NH_2
II-50-2	p-I-Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H	NH_2
II-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-50-5	p-I-Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H	NH_2
II-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H	NH_2
II-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H	NH_2
II-50-8	p-I-Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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III

Table III-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-1-1	CH_3	H	H	H	CH_3	H	CH_3	F	OH	H	H	NH_2
III-1-2	CH_3	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H	NH_2
III-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-1-5	CH_3	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H	NH_2
III-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H	NH_2
III-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-1-8	CH_3	*	H	*	CH_3	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-2-1	Et	H	H	H	CH_3	H	CH_3	F	OH	H	H	NH_2
III-2-2	Et	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H	NH_2
III-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-2-5	Et	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H	NH_2
III-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H	NH_2
III-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-2-8	Et	*	H	*	CH_3	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-3-1	^{i}Pr	H	H	H	CH_3	H	CH_3	F	OH	H	H	NH_2
III-3-2	^{i}Pr	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H	NH_2
III-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H	NH_2
III-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H	NH_2
III-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-3-8	^{i}Pr	*	H	*	CH_3	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-4-1	^{t}Bu	H	H	H	CH_3	H	CH_3	F	OH	H	H	NH_2
III-4-2	^{t}Bu	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H	NH_2
III-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H	NH_2
III-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H	NH_2
III-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-4-8	^{t}Bu	*	H	*	CH_3	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-5-1	Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H	NH_2
III-5-2	Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H	NH_2
III-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-5-5	Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H	NH_2
III-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H	NH_2
III-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-5-8	Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-6-1	p-Me-Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H	NH_2
III-6-2	p-Me-Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H	NH_2
III-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H	NH_2
III-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H	NH_2
III-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-6-8	p-Me-Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-7-1	p-F-Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H	NH_2
III-7-2	p-F-Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H	NH_2
III-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H	NH_2
III-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H	NH_2
III-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-7-20	p-F-Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-8-1	p-Cl-Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H	NH_2
III-8-2	p-Cl-Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H	NH_2
III-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H	NH_2
III-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H	NH_2
III-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-8-8	p-Cl-Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-9-1	p-Br-Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H	NH_2
III-9-2	p-Br-Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H	NH_2
III-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H	NH_2
III-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H	NH_2
III-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-9-20	p-Br-Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-10-1	p-I-Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H	NH_2
III-10-2	p-I-Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H	NH_2
III-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H	NH_2
III-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H	NH_2
III-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H	NH_2
III-10-8	p-I-Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-11-1	CH_3	H	H	H	Et	H	CH_3	F	OH	H	H	NH_2
III-11-2	CH_3	H	H	CH_3	Et	H	CH_3	F	OH	H	H	NH_2
III-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-11-5	CH_3	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H	NH_2
III-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H	NH_2
III-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H	NH_2
III-11-8	CH_3	*	H	*	Et	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-12-1	Et	H	H	H	Et	H	CH_3	F	OH	H	H	NH_2
III-12-2	Et	H	H	CH_3	Et	H	CH_3	F	OH	H	H	NH_2
III-12-3	Et	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-12-5	Et	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H	NH_2
III-12-6	Et	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H	NH_2
III-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H	NH_2
III-12-8	Et	*	H	*	Et	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-13-1	^{i}Pr	H	H	H	Et	H	CH_3	F	OH	H	H	NH_2
III-13-2	^{i}Pr	H	H	CH_3	Et	H	CH_3	F	OH	H	H	NH_2
III-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-13-5	^{i}Pr	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H	NH_2
III-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H	NH_2
III-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H	NH_2
III-13-8	^{i}Pr	*	H	*	Et	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-14-1	^{t}Bu	H	H	H	Et	H	CH_3	F	OH	H	H	NH_2
III-14-2	^{t}Bu	H	H	CH_3	Et	H	CH_3	F	OH	H	H	NH_2
III-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-14-5	^{t}Bu	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H	NH_2
III-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H	NH_2
III-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H	NH_2
III-14-8	^{t}Bu	*	H	*	Et	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-15-1	Ph	H	H	H	Et	H	CH_3	F	OH	H	H	NH_2
III-15-2	Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H	NH_2
III-15-3	Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-15-5	Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H	NH_2
III-15-6	Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H	NH_2
III-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H	NH_2
III-15-8	Ph	*	H	*	Et	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-16-1	p-Me-Ph	H	H	H	Et	H	CH_3	F	OH	H	H	NH_2
III-16-2	p-Me-Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H	NH_2
III-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-16-5	p-Me-Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H	NH_2
III-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H	NH_2
III-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H	NH_2
III-16-8	p-Me-Ph	*	H	*	Et	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-17-1	p-F-Ph	H	H	H	Et	H	CH_3	F	OH	H	H	NH_2
III-17-2	p-F-Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H	NH_2
III-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-17-5	p-F-Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H	NH_2
III-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H	NH_2
III-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H	NH_2
III-17-8	p-F-Ph	*	H	*	Et	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-18-1	p-Cl-Ph	H	H	H	Et	H	CH_3	F	OH	H	H	NH_2
III-18-2	p-Cl-Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H	NH_2
III-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H	NH_2
III-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H	NH_2
III-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H	NH_2
III-18-8	p-Cl-Ph	*	H	*	Et	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-19-1	p-Br-Ph	H	H	H	Et	H	CH_3	F	OH	H	H	NH_2
III-19-2	p-Br-Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H	NH_2
III-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-19-5	p-Br-Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H	NH_2
III-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H	NH_2
III-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H	NH_2
III-19-8	p-Br-Ph	*	H	*	Et	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-20-1	p-I-Ph	H	H	H	Et	H	CH_3	F	OH	H	H	NH_2
III-20-2	p-I-Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H	NH_2
III-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H	NH_2
III-20-5	p-I-Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H	NH_2
III-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H	NH_2
III-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H	NH_2
III-20-8	p-I-Ph	*	H	*	Et	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-21-1	CH_3	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-21-2	CH_3	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-21-8	CH_3	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-22-1	Et	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-22-2	Et	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-22-5	Et	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-22-8	Et	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-23-1	^{i}Pr	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-23-8	^{i}Pr	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-24-1	^{t}Bu	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-24-8	^{t}Bu	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-25-1	Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-25-2	Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-25-5	Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-25-8	Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-26-1	p-Me-Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-26-8	p-Me-Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-27-1	p-F-Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-27-8	p-F-Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-28-1	p-Cl-Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-28-8	p-Cl-Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-29-1	p-Br-Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-29-8	p-Br-Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-30-1	p-I-Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H	NH_2
III-30-8	p-I-Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-31-1	CH_3	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-31-2	CH_3	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-31-8	CH_3	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-32-1	Et	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-32-2	Et	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-32-5	Et	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-32-8	Et	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-33-1	^{i}Pr	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-33-8	^{i}Pr	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-34-1	^{t}Bu	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-34-8	^{t}Bu	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-35-1	Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-35-2	Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-35-5	Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-35-8	Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-36-1	p-Me-Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-36-8	p-Me-Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-37-1	p-F-Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-37-8	p-F-Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-38-1	p-Cl-Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-38-8	p-Cl-Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-39-1	p-Br-Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-39-8	p-Br-Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-40-1	p-I-Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H	NH_2
III-40-8	p-I-Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table III-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-41-1	CH_3	H	H	H	Bz	H	CH_3	F	OH	H	H	NH_2
III-41-2	CH_3	H	H	CH_3	Bz	H	CH_3	F	OH	H	H	NH_2
III-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-41-5	CH_3	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H	NH_2
III-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H	NH_2
III-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H	NH_2
III-41-8	CH_3	*	H	*	Bz	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-42-1	Et	H	H	H	Bz	H	CH_3	F	OH	H	H	NH_2
III-42-2	Et	H	H	CH_3	Bz	H	CH_3	F	OH	H	H	NH_2
III-42-3	Et	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-42-5	Et	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H	NH_2
III-42-6	Et	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H	NH_2
III-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H	NH_2
III-42-8	Et	*	H	*	Bz	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-43-1	^{i}Pr	H	H	H	Bz	H	CH_3	F	OH	H	H	NH_2
III-43-2	^{i}Pr	H	H	CH_3	Bz	H	CH_3	F	OH	H	H	NH_2
III-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-43-5	^{i}Pr	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H	NH_2
III-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H	NH_2
III-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H	NH_2
III-43-8	^{i}Pr	*	H	*	Bz	H	CH_3	F	OH	H	H	NH_2

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-44-1	^{t}Bu	H	H	H	Bz	H	CH_3	F	OH	H	H	NH_2
III-44-2	^{t}Bu	H	H	CH_3	Bz	H	CH_3	F	OH	H	H	NH_2
III-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-44-5	^{t}Bu	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H	NH_2
III-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H	NH_2
III-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H	NH_2
III-44-8	^{t}Bu	*	H	*	Bz	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-45-1	Ph	H	H	H	Bz	H	CH_3	F	OH	H	H	NH_2
III-45-2	Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H	NH_2
III-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-45-5	Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H	NH_2
III-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H	NH_2
III-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H	NH_2
III-45-8	Ph	*	H	*	Bz	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-46-1	p-Me-Ph	H	H	H	Bz	H	CH_3	F	OH	H	H	NH_2
III-46-2	p-Me-Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H	NH_2
III-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H	NH_2
III-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H	NH_2
III-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-46-8	p-Me-Ph	*	H	*	Bz	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-47-1	p-F-Ph	H	H	H	Bz	H	CH_3	F	OH	H	H	NH_2
III-47-2	p-F-Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H	NH_2
III-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-47-5	p-F-Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H	NH_2
III-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H	NH_2
III-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H	NH_2
III-47-8	p-F-Ph	*	H	*	Bz	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-48-1	p-Cl-Ph	H	H	H	Bz	H	CH_3	F	OH	H	H	NH_2
III-48-2	p-Cl-Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H	NH_2
III-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H	NH_2
III-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H	NH_2
III-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H	NH_2
III-48-8	p-Cl-Ph	*	H	*	Bz	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-49-1	p-Br-Ph	H	H	H	Bz	H	CH_3	F	OH	H	H	NH_2
III-49-2	p-Br-Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H	NH_2
III-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H	NH_2
III-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H	NH_2
III-49-8	p-Br-Ph	*	H	*	Bz	H	CH_3	F	OH	H	H	NH_2

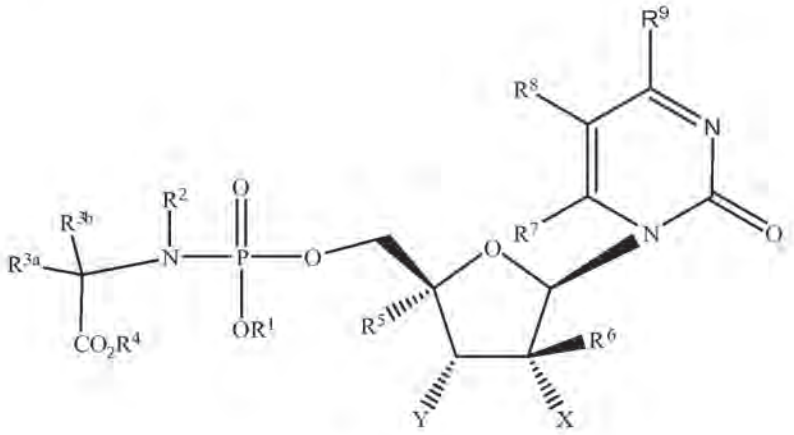
*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table III-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
III-50-1	p-I-Ph	H	H	H	Bz	H	CH_3	F	OH	H	H	NH_2
III-50-2	p-I-Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H	NH_2
III-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H	NH_2
III-50-5	p-I-Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H	NH_2
III-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H	NH_2
III-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H	NH_2
III-50-8	p-I-Ph	*	H	*	Bz	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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IV

Table IV-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-1-1	CH_3	H	H	H	CH_3	H	F	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-1-2	CH_3	H	H	CH_3	CH_3	H	F	F	OH	H	H	NH_2
IV-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-1-5	CH_3	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H	NH_2
IV-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H	NH_2
IV-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H	NH_2
IV-1-8	CH_3	*	H	*	CH_3	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-2-1	Et	H	H	H	CH_3	H	F	F	OH	H	H	NH_2
IV-2-2	Et	H	H	CH_3	CH_3	H	F	F	OH	H	H	NH_2
IV-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-2-5	Et	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H	NH_2
IV-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H	NH_2
IV-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H	NH_2
IV-2-8	Et	*	H	*	CH_3	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-3-1	^{i}Pr	H	H	H	CH_3	H	F	F	OH	H	H	NH_2
IV-3-2	^{i}Pr	H	H	CH_3	CH_3	H	F	F	OH	H	H	NH_2
IV-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H	NH_2
IV-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H	NH_2
IV-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H	NH_2
IV-3-8	^{i}Pr	*	H	*	CH_3	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-4.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-4-1	^{t}Bu	H	H	H	CH_3	H	CH_3	F	OH	H	H	NH_2
IV-4-2	^{t}Bu	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H	NH_2
IV-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
IV-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H	NH_2
IV-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H	NH_2
IV-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H	NH_2
IV-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H	NH_2
IV-4-8	^{t}Bu	*	H	*	CH_3	H	CH_3	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-5-1	Ph	H	H	H	CH_3	H	F	F	OH	H	H	NH_2
IV-5-2	Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H	NH_2
IV-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-5-5	Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H	NH_2
IV-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H	NH_2
IV-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H	NH_2
IV-5-8	Ph	*	H	*	CH_3	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-6-1	p-Me-Ph	H	H	H	CH_3	H	F	F	OH	H	H	NH_2
IV-6-2	p-Me-Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H	NH_2
IV-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H	NH_2
IV-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H	NH_2
IV-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H	NH_2
IV-6-8	p-Me-Ph	*	H	*	CH_3	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-7-1	p-F-Ph	H	H	H	CH_3	H	F	F	OH	H	H	NH_2
IV-7-2	p-F-Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H	NH_2
IV-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H	NH_2
IV-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H	NH_2
IV-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H	NH_2
IV-7-20	p-F-Ph	*	H	*	CH_3	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-8-1	p-Cl-Ph	H	H	H	CH_3	H	F	F	OH	H	H	NH_2
IV-8-2	p-Cl-Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H	NH_2
IV-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H	NH_2
IV-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H	NH_2
IV-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H	NH_2
IV-8-8	p-Cl-Ph	*	H	*	CH_3	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-9-1	p-Br-Ph	H	H	H	CH_3	H	F	F	OH	H	H	NH_2
IV-9-2	p-Br-Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H	NH_2
IV-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H	NH_2
IV-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H	NH_2
IV-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H	NH_2
IV-9-20	p-Br-Ph	*	H	*	CH_3	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-10-1	p-I-Ph	H	H	H	CH_3	H	F	F	OH	H	H	NH_2
IV-10-2	p-I-Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H	NH_2
IV-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H	NH_2
IV-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H	NH_2
IV-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H	NH_2
IV-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H	NH_2
IV-10-8	p-I-Ph	*	H	*	CH_3	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-11-1	CH_3	H	H	H	Et	H	F	F	OH	H	H	NH_2
IV-11-2	CH_3	H	H	CH_3	Et	H	F	F	OH	H	H	NH_2
IV-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-11-5	CH_3	H	H	CH_2Ph	Et	H	F	F	OH	H	H	NH_2
IV-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H	NH_2
IV-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H	NH_2
IV-11-8	CH_3	*	H	*	Et	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-12-1	Et	H	H	H	Et	H	F	F	OH	H	H	NH_2
IV-12-2	Et	H	H	CH_3	Et	H	F	F	OH	H	H	NH_2
IV-12-3	Et	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-12-5	Et	H	H	CH_2Ph	Et	H	F	F	OH	H	H	NH_2
IV-12-6	Et	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H	NH_2
IV-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H	NH_2
IV-12-8	Et	*	H	*	Et	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-13-1	^{i}Pr	H	H	H	Et	H	F	F	OH	H	H	NH_2
IV-13-2	^{i}Pr	H	H	CH_3	Et	H	F	F	OH	H	H	NH_2
IV-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-13-5	^{i}Pr	H	H	CH_2Ph	Et	H	F	F	OH	H	H	NH_2
IV-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H	NH_2
IV-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H	NH_2
IV-13-8	^{i}Pr	*	H	*	Et	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-14-1	^{t}Bu	H	H	H	Et	H	F	F	OH	H	H	NH_2
IV-14-2	^{t}Bu	H	H	CH_3	Et	H	F	F	OH	H	H	NH_2
IV-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-14-5	^{t}Bu	H	H	CH_2Ph	Et	H	F	F	OH	H	H	NH_2
IV-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H	NH_2
IV-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H	NH_2
IV-14-8	^{t}Bu	*	H	*	Et	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-15-1	Ph	H	H	H	Et	H	F	F	OH	H	H	NH_2
IV-15-2	Ph	H	H	CH_3	Et	H	F	F	OH	H	H	NH_2
IV-15-3	Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-15-5	Ph	H	H	CH_2Ph	Et	H	F	F	OH	H	H	NH_2
IV-15-6	Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H	NH_2
IV-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H	NH_2
IV-15-8	Ph	*	H	*	Et	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-16-1	p-Me-Ph	H	H	H	Et	H	F	F	OH	H	H	NH_2
IV-16-2	p-Me-Ph	H	H	CH_3	Et	H	F	F	OH	H	H	NH_2
IV-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-16-5	p-Me-Ph	H	H	CH_2Ph	Et	H	F	F	OH	H	H	NH_2
IV-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H	NH_2
IV-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H	NH_2
IV-16-8	p-Me-Ph	*	H	*	Et	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-17-1	p-F-Ph	H	H	H	Et	H	F	F	OH	H	H	NH_2
IV-17-2	p-F-Ph	H	H	CH_3	Et	H	F	F	OH	H	H	NH_2
IV-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-17-5	p-F-Ph	H	H	CH_2Ph	Et	H	F	F	OH	H	H	NH_2
IV-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H	NH_2
IV-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H	NH_2
IV-17-8	p-F-Ph	*	H	*	Et	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-18-1	p-Cl-Ph	H	H	H	Et	H	F	F	OH	H	H	NH_2
IV-18-2	p-Cl-Ph	H	H	CH_3	Et	H	F	F	OH	H	H	NH_2
IV-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	H	F	F	OH	H	H	NH_2
IV-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H	NH_2
IV-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H	NH_2
IV-18-8	p-Cl-Ph	*	H	*	Et	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-19-1	p-Br-Ph	H	H	H	Et	H	F	F	OH	H	H	NH_2
IV-19-2	p-Br-Ph	H	H	CH_3	Et	H	F	F	OH	H	H	NH_2
IV-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-19-5	p-Br-Ph	H	H	CH_2Ph	Et	H	F	F	OH	H	H	NH_2
IV-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H	NH_2
IV-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H	NH_2
IV-19-8	p-Br-Ph	*	H	*	Et	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-20-1	p-I-Ph	H	H	H	Et	H	F	F	OH	H	H	NH_2
IV-20-2	p-I-Ph	H	H	CH_3	Et	H	F	F	OH	H	H	NH_2
IV-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H	NH_2
IV-20-5	p-I-Ph	H	H	CH_2Ph	Et	H	F	F	OH	H	H	NH_2
IV-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H	NH_2
IV-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H	NH_2
IV-20-8	p-I-Ph	*	H	*	Et	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-21-1	CH_3	H	H	H	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-21-2	CH_3	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-21-8	CH_3	*	H	*	^{i}Pr	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-22-1	Et	H	H	H	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-22-2	Et	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-22-5	Et	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-22-8	Et	*	H	*	^{i}Pr	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-23-1	^{i}Pr	H	H	H	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-23-8	^{i}Pr	*	H	*	^{i}Pr	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-24-1	^{t}Bu	H	H	H	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-24-8	^{t}Bu	*	H	*	^{i}Pr	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-25-1	Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-25-2	Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-25-5	Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-25-8	Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-26-1	p-Me-Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-26-8	p-Me-Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-27-1	p-F-Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-27-8	p-F-Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-28-1	p-Cl-Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-28-8	p-Cl-Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-29-1	p-Br-Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-29-8	p-Br-Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-30-1	p-I-Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H	NH_2
IV-30-8	p-I-Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-31-1	CH_3	H	H	H	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-31-2	CH_3	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-31-8	CH_3	*	H	*	^{n}Bu	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-32-1	Et	H	H	H	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-32-2	Et	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-32-5	Et	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-32-8	Et	*	H	*	^{n}Bu	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-33-1	^{i}Pr	H	H	H	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-33-8	^{i}Pr	*	H	*	^{n}Bu	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-34-1	^{t}Bu	H	H	H	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-34-8	^{t}Bu	*	H	*	^{n}Bu	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-35-1	Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-35-2	Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-35-5	Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-35-8	Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-36-1	p-Me-Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-36-8	p-Me-Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-37-1	p-F-Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-37-8	p-F-Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-38-1	p-Cl-Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-38-8	p-Cl-Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-39-1	p-Br-Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-39-8	p-Br-Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-40-1	p-I-Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H	NH_2
IV-40-8	p-I-Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-41-1	CH_3	H	H	H	Bz	H	F	F	OH	H	H	NH_2
IV-41-2	CH_3	H	H	CH_3	Bz	H	F	F	OH	H	H	NH_2
IV-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-41-5	CH_3	H	H	CH_2Ph	Bz	H	F	F	OH	H	H	NH_2
IV-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H	NH_2
IV-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H	NH_2
IV-41-8	CH_3	*	H	*	Bz	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IV-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-42-1	Et	H	H	H	Bz	H	F	F	OH	H	H	NH_2
IV-42-2	Et	H	H	CH_3	Bz	H	F	F	OH	H	H	NH_2
IV-42-3	Et	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-42-5	Et	H	H	CH_2Ph	Bz	H	F	F	OH	H	H	NH_2
IV-42-6	Et	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H	NH_2
IV-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H	NH_2
IV-42-8	Et	*	H	*	Bz	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-43-1	^{i}Pr	H	H	H	Bz	H	F	F	OH	H	H	NH_2
IV-43-2	^{i}Pr	H	H	CH_3	Bz	H	F	F	OH	H	H	NH_2
IV-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-43-5	^{i}Pr	H	H	CH_2Ph	Bz	H	F	F	OH	H	H	NH_2
IV-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H	NH_2
IV-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H	NH_2
IV-43-8	^{i}Pr	*	H	*	Bz	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-44-1	^{t}Bu	H	H	H	Bz	H	F	F	OH	H	H	NH_2
IV-44-2	^{t}Bu	H	H	CH_3	Bz	H	F	F	OH	H	H	NH_2
IV-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-44-5	^{t}Bu	H	H	CH_2Ph	Bz	H	F	F	OH	H	H	NH_2
IV-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H	NH_2
IV-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H	NH_2
IV-44-8	^{t}Bu	*	H	*	Bz	H	F	F	OH	H	H	NH_2

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-45-1	Ph	H	H	H	Bz	H	F	F	OH	H	H	NH_2
IV-45-2	Ph	H	H	CH_3	Bz	H	F	F	OH	H	H	NH_2
IV-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-45-5	Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H	NH_2
IV-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H	NH_2
IV-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H	NH_2
IV-45-8	Ph	*	H	*	Bz	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-46-1	p-Me-Ph	H	H	H	Bz	H	F	F	OH	H	H	NH_2
IV-46-2	p-Me-Ph	H	H	CH_3	Bz	H	F	F	OH	H	H	NH_2
IV-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H	NH_2
IV-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H	NH_2
IV-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H	NH_2
IV-46-8	p-Me-Ph	*	H	*	Bz	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-47-1	p-F-Ph	H	H	H	Bz	H	F	F	OH	H	H	NH_2
IV-47-2	p-F-Ph	H	H	CH_3	Bz	H	F	F	OH	H	H	NH_2
IV-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-47-5	p-F-Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H	NH_2
IV-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H	NH_2
IV-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-47-8	p-F-Ph	*	H	*	Bz	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-48-1	p-Cl-Ph	H	H	H	Bz	H	F	F	OH	H	H	NH_2
IV-48-2	p-Cl-Ph	H	H	CH_3	Bz	H	F	F	OH	H	H	NH_2
IV-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H	NH_2
IV-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H	NH_2
IV-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H	NH_2
IV-48-8	p-Cl-Ph	*	H	*	Bz	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IV-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-49-1	p-Br-Ph	H	H	H	Bz	H	F	F	OH	H	H	NH_2
IV-49-2	p-Br-Ph	H	H	CH_3	Bz	H	F	F	OH	H	H	NH_2
IV-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H	NH_2
IV-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H	NH_2
IV-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H	NH_2
IV-49-8	p-Br-Ph	*	H	*	Bz	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

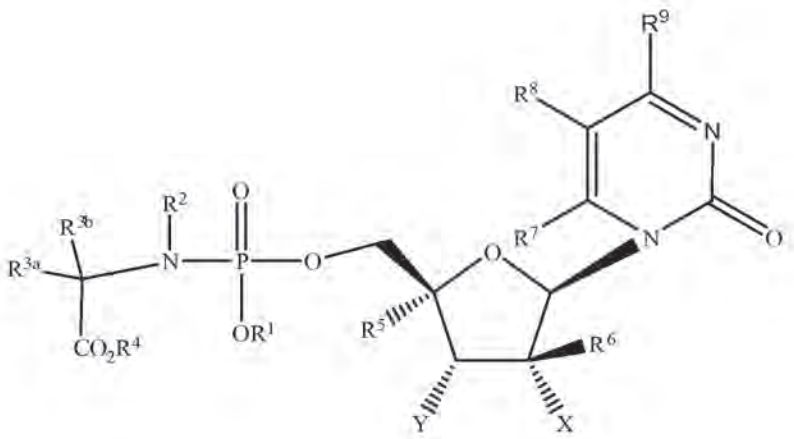
Table IV-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-50-1	p-I-Ph	H	H	H	Bz	H	F	F	OH	H	H	NH_2
IV-50-2	p-I-Ph	H	H	CH_3	Bz	H	F	F	OH	H	H	NH_2
IV-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H	NH_2
IV-50-5	p-I-Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
IV-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H	NH_2
IV-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H	NH_2
IV-50-8	p-I-Ph	*	H	*	Bz	H	F	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.



V

Table V-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-1-1	CH_3	H	H	H	CH_3	H	H	F	OH	H	H	NH_2
V-1-2	CH_3	H	H	CH_3	CH_3	H	H	F	OH	H	H	NH_2
V-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-1-5	CH_3	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H	NH_2
V-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H	NH_2
V-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H	NH_2
V-1-8	CH_3	*	H	*	CH_3	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-2-1	Et	H	H	H	CH_3	H	H	F	OH	H	H	NH_2
V-2-2	Et	H	H	CH_3	CH_3	H	H	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-2-5	Et	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H	NH_2
V-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H	NH_2
V-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H	NH_2
V-2-8	Et	*	H	*	CH_3	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-3-1	^{i}Pr	H	H	H	CH_3	H	H	F	OH	H	H	NH_2
V-3-2	^{i}Pr	H	H	CH_3	CH_3	H	H	F	OH	H	H	NH_2
V-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H	NH_2
V-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H	NH_2
V-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H	NH_2
V-3-8	^{i}Pr	*	H	*	CH_3	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-4-1	^{t}Bu	H	H	H	CH_3	H	H	F	OH	H	H	NH_2
V-4-2	^{t}Bu	H	H	CH_3	CH_3	H	H	F	OH	H	H	NH_2
V-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H	NH_2
V-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H	NH_2
V-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H	NH_2
V-4-8	^{t}Bu	*	H	*	CH_3	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-5-1	Ph	H	H	H	CH_3	H	H	F	OH	H	H	NH_2
V-5-2	Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H	NH_2
V-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-5-5	Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H	NH_2
V-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H	NH_2
V-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H	NH_2
V-5-8	Ph	*	H	*	CH_3	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-6-1	p-Me-Ph	H	H	H	CH_3	H	H	F	OH	H	H	NH_2
V-6-2	p-Me-Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H	NH_2
V-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H	NH_2
V-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H	NH_2
V-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H	NH_2
V-6-8	p-Me-Ph	*	H	*	CH_3	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-7-1	p-F-Ph	H	H	H	CH_3	H	H	F	OH	H	H	NH_2
V-7-2	p-F-Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H	NH_2
V-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H	NH_2
V-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H	NH_2
V-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H	NH_2
V-7-20	p-F-Ph	*	H	*	CH_3	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table V-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-8-1	p-Cl-Ph	H	H	H	CH_3	H	H	F	OH	H	H	NH_2
V-8-2	p-Cl-Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H	NH_2
V-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H	NH_2
V-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H	NH_2
V-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H	NH_2
V-8-8	p-Cl-Ph	*	H	*	CH_3	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-9-1	p-Br-Ph	H	H	H	CH_3	H	H	F	OH	H	H	NH_2
V-9-2	p-Br-Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H	NH_2
V-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H	NH_2
V-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H	NH_2
V-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H	NH_2
V-9-20	p-Br-Ph	*	H	*	CH_3	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-10-1	p-I-Ph	H	H	H	CH_3	H	H	F	OH	H	H	NH_2
V-10-2	p-I-Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H	NH_2
V-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H	NH_2
V-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H	NH_2
V-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H	NH_2
V-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H	NH_2
V-10-8	p-I-Ph	*	H	*	CH_3	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table V-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-11-1	CH_3	H	H	H	Et	H	H	F	OH	H	H	NH_2
V-11-2	CH_3	H	H	CH_3	Et	H	H	F	OH	H	H	NH_2
V-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-11-5	CH_3	H	H	CH_2Ph	Et	H	H	F	OH	H	H	NH_2
V-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H	NH_2
V-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H	NH_2
V-11-8	CH_3	*	H	*	Et	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-12-1	Et	H	H	H	Et	H	H	F	OH	H	H	NH_2
V-12-2	Et	H	H	CH_3	Et	H	H	F	OH	H	H	NH_2
V-12-3	Et	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-12-5	Et	H	H	CH_2Ph	Et	H	H	F	OH	H	H	NH_2
V-12-6	Et	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H	NH_2
V-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H	NH_2
V-12-8	Et	*	H	*	Et	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-13-1	^{i}Pr	H	H	H	Et	H	H	F	OH	H	H	NH_2
V-13-2	^{i}Pr	H	H	CH_3	Et	H	H	F	OH	H	H	NH_2
V-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-13-5	^{i}Pr	H	H	CH_2Ph	Et	H	H	F	OH	H	H	NH_2
V-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H	NH_2
V-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H	NH_2
V-13-8	^{i}Pr	*	H	*	Et	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table V-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-14-1	^{t}Bu	H	H	H	Et	H	H	F	OH	H	H	NH_2
V-14-2	^{t}Bu	H	H	CH_3	Et	H	H	F	OH	H	H	NH_2
V-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-14-5	^{t}Bu	H	H	CH_2Ph	Et	H	H	F	OH	H	H	NH_2
V-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H	NH_2
V-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H	NH_2
V-14-8	^{t}Bu	*	H	*	Et	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-15-1	Ph	H	H	H	Et	H	H	F	OH	H	H	NH_2
V-15-2	Ph	H	H	CH_3	Et	H	H	F	OH	H	H	NH_2
V-15-3	Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-15-5	Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H	NH_2
V-15-6	Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H	NH_2
V-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H	NH_2
V-15-8	Ph	*	H	*	Et	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-16-1	p-Me-Ph	H	H	H	Et	H	H	F	OH	H	H	NH_2
V-16-2	p-Me-Ph	H	H	CH_3	Et	H	H	F	OH	H	H	NH_2
V-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-16-5	p-Me-Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H	NH_2
V-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H	NH_2
V-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H	NH_2
V-16-8	p-Me-Ph	*	H	*	Et	H	H	F	OH	H	H	NH_2

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-17-1	p-F-Ph	H	H	H	Et	H	H	F	OH	H	H	NH_2
V-17-2	p-F-Ph	H	H	CH_3	Et	H	H	F	OH	H	H	NH_2
V-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-17-5	p-F-Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H	NH_2
V-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H	NH_2
V-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H	NH_2
V-17-8	p-F-Ph	*	H	*	Et	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-18-1	p-Cl-Ph	H	H	H	Et	H	H	F	OH	H	H	NH_2
V-18-2	p-Cl-Ph	H	H	CH_3	Et	H	H	F	OH	H	H	NH_2
V-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H	NH_2
V-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H	NH_2
V-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H	NH_2
V-18-8	p-Cl-Ph	*	H	*	Et	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-19-1	p-Br-Ph	H	H	H	Et	H	H	F	OH	H	H	NH_2
V-19-2	p-Br-Ph	H	H	CH_3	Et	H	H	F	OH	H	H	NH_2
V-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-19-5	p-Br-Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H	NH_2
V-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H	NH_2
V-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-19-8	p-Br-Ph	*	H	*	Et	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-20-1	p-I-Ph	H	H	H	Et	H	H	F	OH	H	H	NH_2
V-20-2	p-I-Ph	H	H	CH_3	Et	H	H	F	OH	H	H	NH_2
V-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H	NH_2
V-20-5	p-I-Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H	NH_2
V-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H	NH_2
V-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H	NH_2
V-20-8	p-I-Ph	*	H	*	Et	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-21-1	CH_3	H	H	H	^{i}Pr	H	H	F	OH	H	H	NH_2
V-21-2	CH_3	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H	NH_2
V-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H	NH_2
V-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H	NH_2
V-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-21-8	CH_3	*	H	*	^{i}Pr	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-22-1	Et	H	H	H	^{i}Pr	H	H	F	OH	H	H	NH_2
V-22-2	Et	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H	NH_2
V-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-22-5	Et	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H	NH_2
V-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-22-8	Et	*	H	*	^{i}Pr	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-23-1	^{i}Pr	H	H	H	^{i}Pr	H	H	F	OH	H	H	NH_2
V-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H	NH_2
V-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H	NH_2
V-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H	NH_2
V-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-23-8	^{i}Pr	*	H	*	^{i}Pr	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-24-1	^{t}Bu	H	H	H	^{i}Pr	H	H	F	OH	H	H	NH_2
V-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H	NH_2
V-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H	NH_2
V-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H	NH_2
V-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-24-8	^{t}Bu	*	H	*	^{i}Pr	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-25-1	Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H	NH_2
V-25-2	Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H	NH_2
V-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-25-5	Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H	NH_2
V-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H	NH_2
V-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-25-8	Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-26-1	p-Me-Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H	NH_2
V-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H	NH_2
V-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H	NH_2
V-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H	NH_2
V-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-26-8	p-Me-Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-27-1	p-F-Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H	NH_2
V-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H	NH_2
V-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H	NH_2
V-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H	NH_2
V-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-27-8	p-F-Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-28-1	p-Cl-Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H	NH_2
V-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H	NH_2
V-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H	NH_2
V-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-28-8	p-Cl-Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-29-1	p-Br-Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H	NH_2
V-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H	NH_2
V-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H	NH_2
V-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H	NH_2
V-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-29-8	p-Br-Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-30-1	p-I-Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H	NH_2
V-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H	NH_2
V-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H	NH_2
V-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H	NH_2
V-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H	NH_2
V-30-8	p-I-Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-31.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-31-1	CH_3	H	H	H	^{n}Bu	H	H	F	OH	H	H	NH_2
V-31-2	CH_3	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H	NH_2
V-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H	NH_2
V-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H	NH_2
V-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-31-8	CH_3	*	H	*	^{n}Bu	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-32-1	Et	H	H	H	^{n}Bu	H	H	F	OH	H	H	NH_2
V-32-2	Et	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H	NH_2
V-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-32-5	Et	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H	NH_2
V-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H	NH_2
V-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-32-8	Et	*	H	*	^{n}Bu	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-33-1	^{i}Pr	H	H	H	^{n}Bu	H	H	F	OH	H	H	NH_2
V-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H	NH_2
V-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H	NH_2
V-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H	NH_2
V-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-33-8	^{i}Pr	*	H	*	^{n}Bu	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table V-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-34-1	^{t}Bu	H	H	H	^{n}Bu	H	H	F	OH	H	H	NH_2
V-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H	NH_2
V-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H	NH_2
V-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H	NH_2
V-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-34-8	^{t}Bu	*	H	*	^{n}Bu	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-35-1	Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H	NH_2
V-35-2	Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H	NH_2
V-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-35-5	Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H	NH_2
V-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H	NH_2
V-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-35-8	Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-36-1	p-Me-Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H	NH_2
V-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H	NH_2
V-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H	NH_2
V-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H	NH_2
V-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-36-8	p-Me-Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table V-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-37-1	p-F-Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H	NH_2
V-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H	NH_2
V-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H	NH_2
V-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H	NH_2
V-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-37-8	p-F-Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-38-1	p-Cl-Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H	NH_2
V-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H	NH_2
V-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H	NH_2
V-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H	NH_2
V-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-38-8	p-Cl-Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-39-1	p-Br-Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H	NH_2
V-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H	NH_2
V-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H	NH_2
V-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H	NH_2
V-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-39-8	p-Br-Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table V-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-40-1	p-I-Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H	NH_2
V-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H	NH_2
V-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H	NH_2
V-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H	NH_2
V-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H	NH_2
V-40-8	p-I-Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-41-1	CH_3	H	H	H	Bz	H	H	F	OH	H	H	NH_2
V-41-2	CH_3	H	H	CH_3	Bz	H	H	F	OH	H	H	NH_2
V-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-41-5	CH_3	H	H	CH_2Ph	Bz	H	H	F	OH	H	H	NH_2
V-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H	NH_2
V-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H	NH_2
V-41-8	CH_3	*	H	*	Bz	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-42-1	Et	H	H	H	Bz	H	H	F	OH	H	H	NH_2
V-42-2	Et	H	H	CH_3	Bz	H	H	F	OH	H	H	NH_2
V-42-3	Et	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-42-5	Et	H	H	CH_2Ph	Bz	H	H	F	OH	H	H	NH_2
V-42-6	Et	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H	NH_2
V-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H	NH_2
V-42-8	Et	*	H	*	Bz	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table V-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-43-1	^{i}Pr	H	H	H	Bz	H	H	F	OH	H	H	NH_2
V-43-2	^{i}Pr	H	H	CH_3	Bz	H	H	F	OH	H	H	NH_2
V-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-43-5	^{i}Pr	H	H	CH_2Ph	Bz	H	H	F	OH	H	H	NH_2
V-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H	NH_2
V-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H	NH_2
V-43-8	^{i}Pr	*	H	*	Bz	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-44-1	^{t}Bu	H	H	H	Bz	H	H	F	OH	H	H	NH_2
V-44-2	^{t}Bu	H	H	CH_3	Bz	H	H	F	OH	H	H	NH_2
V-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-44-5	^{t}Bu	H	H	CH_2Ph	Bz	H	H	F	OH	H	H	NH_2
V-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H	NH_2
V-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H	NH_2
V-44-8	^{t}Bu	*	H	*	Bz	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-45-1	Ph	H	H	H	Bz	H	H	F	OH	H	H	NH_2
V-45-2	Ph	H	H	CH_3	Bz	H	H	F	OH	H	H	NH_2
V-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-45-5	Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H	NH_2
V-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H	NH_2
V-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H	NH_2
V-45-8	Ph	*	H	*	Bz	H	H	F	OH	H	H	NH_2

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-46-1	p-Me-Ph	H	H	H	Bz	H	H	F	OH	H	H	NH_2
V-46-2	p-Me-Ph	H	H	CH_3	Bz	H	H	F	OH	H	H	NH_2
V-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H	NH_2
V-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H	NH_2
V-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H	NH_2
V-46-8	p-Me-Ph	*	H	*	Bz	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-47-1	p-F-Ph	H	H	H	Bz	H	H	F	OH	H	H	NH_2
V-47-2	p-F-Ph	H	H	CH_3	Bz	H	H	F	OH	H	H	NH_2
V-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-47-5	p-F-Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H	NH_2
V-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H	NH_2
V-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H	NH_2
V-47-8	p-F-Ph	*	H	*	Bz	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-48-1	p-Cl-Ph	H	H	H	Bz	H	H	F	OH	H	H	NH_2
V-48-2	p-Cl-Ph	H	H	CH_3	Bz	H	H	F	OH	H	H	NH_2
V-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H	NH_2
V-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H	NH_2
V-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-48-8	p-Cl-Ph	*	H	*	Bz	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-49-1	p-Br-Ph	H	H	H	Bz	H	H	F	OH	H	H	NH_2
V-49-2	p-Br-Ph	H	H	CH_3	Bz	H	H	F	OH	H	H	NH_2
V-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H	NH_2
V-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H	NH_2
V-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H	NH_2
V-49-8	p-Br-Ph	*	H	*	Bz	H	H	F	OH	H	H	NH_2

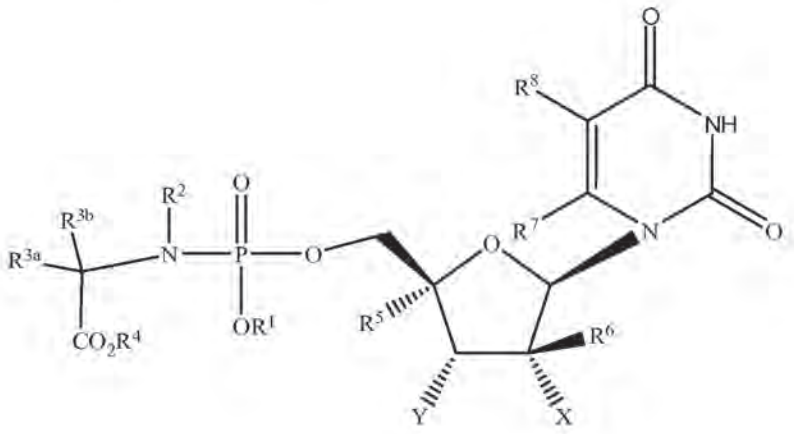
*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table V-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
V-50-1	p-I-Ph	H	H	H	Bz	H	H	F	OH	H	H	NH_2
V-50-2	p-I-Ph	H	H	CH_3	Bz	H	H	F	OH	H	H	NH_2
V-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H	NH_2
V-50-5	p-I-Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H	NH_2
V-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H	NH_2
V-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H	NH_2
V-50-8	p-I-Ph	*	H	*	Bz	H	H	F	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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VI

Table VI-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-1-1	CH_3	H	H	H	CH_3	H	F	H	OH	H	H
VI-1-2	CH_3	H	H	CH_3	CH_3	H	F	H	OH	H	H
VI-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-1-5	CH_3	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H
VI-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H
VI-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H
VI-1-8	CH_3	*	H	*	CH_3	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-2-1	Et	H	H	H	CH_3	H	F	H	OH	H	H
VI-2-2	Et	H	H	CH_3	CH_3	H	F	H	OH	H	H
VI-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-2-5	Et	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H
VI-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H
VI-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H
VI-2-8	Et	*	H	*	CH_3	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-3-1	^{i}Pr	H	H	H	CH_3	H	F	H	OH	H	H
VI-3-2	^{i}Pr	H	H	CH_3	CH_3	H	F	H	OH	H	H
VI-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H
VI-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H
VI-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H
VI-3-8	^{i}Pr	*	H	*	CH_3	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-4-1	^{t}Bu	H	H	H	CH_3	H	F	H	OH	H	H
VI-4-2	^{t}Bu	H	H	CH_3	CH_3	H	F	H	OH	H	H
VI-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H
VI-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H
VI-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H
VI-4-8	^{t}Bu	*	H	*	CH_3	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-5-1	Ph	H	H	H	CH_3	H	F	H	OH	H	H
VI-5-2	Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H
VI-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-5-5	Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H
VI-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H
VI-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H
VI-5-8	Ph	*	H	*	CH_3	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-6-1	p-Me-Ph	H	H	H	CH_3	H	F	H	OH	H	H
VI-6-2	p-Me-Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H
VI-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H
VI-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H
VI-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H
VI-6-8	p-Me-Ph	*	H	*	CH_3	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-7-1	p-F-Ph	H	H	H	CH_3	H	F	H	OH	H	H
VI-7-2	p-F-Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H
VI-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H
VI-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H
VI-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H
VI-7-20	p-F-Ph	*	H	*	CH_3	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-8-1	p-Cl-Ph	H	H	H	CH_3	H	F	H	OH	H	H
VI-8-2	p-Cl-Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H
VI-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H
VI-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H
VI-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H
VI-8-8	p-Cl-Ph	*	H	*	CH_3	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-9-1	p-Br-Ph	H	H	H	CH_3	H	F	H	OH	H	H
VI-9-2	p-Br-Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H
VI-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H
VI-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H
VI-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H
VI-9-20	p-Br-Ph	*	H	*	CH_3	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-10-1	p-I-Ph	H	H	H	CH_3	H	F	H	OH	H	H
VI-10-2	p-I-Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H
VI-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H
VI-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H
VI-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H
VI-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H
VI-10-8	p-I-Ph	*	H	*	CH_3	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-11-1	CH_3	H	H	H	Et	H	F	H	OH	H	H
VI-11-2	CH_3	H	H	CH_3	Et	H	F	H	OH	H	H
VI-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-11-5	CH_3	H	H	CH_2Ph	Et	H	F	H	OH	H	H
VI-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H
VI-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H
VI-11-8	CH_3	*	H	*	Et	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-12-1	Et	H	H	H	Et	H	F	H	OH	H	H
VI-12-2	Et	H	H	CH_3	Et	H	F	H	OH	H	H
VI-12-3	Et	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-12-5	Et	H	H	CH_2Ph	Et	H	F	H	OH	H	H
VI-12-6	Et	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H
VI-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H
VI-12-8	Et	*	H	*	Et	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-13-1	^{i}Pr	H	H	H	Et	H	F	H	OH	H	H
VI-13-2	^{i}Pr	H	H	CH_3	Et	H	F	H	OH	H	H
VI-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-13-5	^{i}Pr	H	H	CH_2Ph	Et	H	F	H	OH	H	H
VI-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H
VI-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H
VI-13-8	^{i}Pr	*	H	*	Et	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-14-1	^{t}Bu	H	H	H	Et	H	F	H	OH	H	H
VI-14-2	^{t}Bu	H	H	CH_3	Et	H	F	H	OH	H	H
VI-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-14-5	^{t}Bu	H	H	CH_2Ph	Et	H	F	H	OH	H	H
VI-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H
VI-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H
VI-14-8	^{t}Bu	*	H	*	Et	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-15-1	Ph	H	H	H	Et	H	F	H	OH	H	H
VI-15-2	Ph	H	H	CH_3	Et	H	F	H	OH	H	H
VI-15-3	Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-15-5	Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H
VI-15-6	Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H
VI-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H
VI-15-8	Ph	*	H	*	Et	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-16-1	p-Me-Ph	H	H	H	Et	H	F	H	OH	H	H
VI-16-2	p-Me-Ph	H	H	CH_3	Et	H	F	H	OH	H	H
VI-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-16-5	p-Me-Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H
VI-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H
VI-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H
VI-16-8	p-Me-Ph	*	H	*	Et	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-17-1	p-F-Ph	H	H	H	Et	H	F	H	OH	H	H
VI-17-2	p-F-Ph	H	H	CH_3	Et	H	F	H	OH	H	H
VI-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-17-5	p-F-Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H
VI-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H
VI-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H
VI-17-8	p-F-Ph	*	H	*	Et	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-18-1	p-Cl-Ph	H	H	H	Et	H	F	H	OH	H	H
VI-18-2	p-Cl-Ph	H	H	CH_3	Et	H	F	H	OH	H	H
VI-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H
VI-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H
VI-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H
VI-18-8	p-Cl-Ph	*	H	*	Et	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-19-1	p-Br-Ph	H	H	H	Et	H	F	H	OH	H	H
VI-19-2	p-Br-Ph	H	H	CH_3	Et	H	F	H	OH	H	H
VI-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-19-5	p-Br-Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H
VI-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H
VI-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H
VI-19-8	p-Br-Ph	*	H	*	Et	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-20-1	p-I-Ph	H	H	H	Et	H	F	H	OH	H	H
VI-20-2	p-I-Ph	H	H	CH_3	Et	H	F	H	OH	H	H
VI-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H
VI-20-5	p-I-Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H
VI-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H
VI-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H
VI-20-8	p-I-Ph	*	H	*	Et	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-21-1	CH_3	H	H	H	^{i}Pr	H	F	H	OH	H	H
VI-21-2	CH_3	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H
VI-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H
VI-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H
VI-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H
VI-21-8	CH_3	*	H	*	^{i}Pr	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-22-1	Et	H	H	H	^{i}Pr	H	F	H	OH	H	H
VI-22-2	Et	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H
VI-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-22-5	Et	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H
VI-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H
VI-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H
VI-22-8	Et	*	H	*	^{i}Pr	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-23-1	^{i}Pr	H	H	H	^{i}Pr	H	F	H	OH	H	H
VI-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H
VI-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H
VI-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H
VI-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H
VI-23-8	^{i}Pr	*	H	*	^{i}Pr	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-24-1	^{t}Bu	H	H	H	^{i}Pr	H	F	H	OH	H	H
VI-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H
VI-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H
VI-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H
VI-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H
VI-24-8	^{t}Bu	*	H	*	^{i}Pr	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-25-1	Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H
VI-25-2	Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H
VI-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-25-5	Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H
VI-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H
VI-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H
VI-25-8	Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-26-1	p-Me-Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H
VI-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H
VI-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H
VI-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H
VI-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H
VI-26-8	p-Me-Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-27-1	p-F-Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H
VI-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H
VI-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H
VI-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H
VI-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H
VI-27-8	p-F-Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-28-1	p-Cl-Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H
VI-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H
VI-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H
VI-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H
VI-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H
VI-28-8	p-Cl-Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-29-1	p-Br-Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H
VI-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H
VI-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H
VI-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H
VI-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H
VI-29-8	p-Br-Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-30-1	p-I-Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H
VI-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H
VI-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H
VI-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H
VI-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H
VI-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H
VI-30-8	p-I-Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-31-1	CH_3	H	H	H	^{n}Bu	H	F	H	OH	H	H
VI-31-2	CH_3	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H
VI-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H
VI-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H
VI-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H
VI-31-8	CH_3	*	H	*	^{n}Bu	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-32-1	Et	H	H	H	^{n}Bu	H	F	H	OH	H	H
VI-32-2	Et	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H
VI-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-32-5	Et	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H
VI-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H
VI-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H
VI-32-8	Et	*	H	*	^{n}Bu	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-33-1	^{i}Pr	H	H	H	^{n}Bu	H	F	H	OH	H	H
VI-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H
VI-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H
VI-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H
VI-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H
VI-33-8	^{i}Pr	*	H	*	^{n}Bu	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-34-1	^{t}Bu	H	H	H	^{n}Bu	H	F	H	OH	H	H
VI-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H
VI-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H
VI-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H
VI-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H
VI-34-8	^{t}Bu	*	H	*	^{n}Bu	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-35-1	Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H
VI-35-2	Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H
VI-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-35-5	Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H
VI-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H
VI-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H
VI-35-8	Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-36-1	p-Me-Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H
VI-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H
VI-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H
VI-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H
VI-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H
VI-36-8	p-Me-Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-37-1	p-F-Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H
VI-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H
VI-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H
VI-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H
VI-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H
VI-37-8	p-F-Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-38-1	p-Cl-Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H
VI-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H
VI-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H
VI-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H
VI-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H
VI-38-8	p-Cl-Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-39-1	p-Br-Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H
VI-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H
VI-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H
VI-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H
VI-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H
VI-39-8	p-Br-Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-40-1	p-I-Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H
VI-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H
VI-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H
VI-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H
VI-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H
VI-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H
VI-40-8	p-I-Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-41-1	CH_3	H	H	H	Bz	H	F	H	OH	H	H
VI-41-2	CH_3	H	H	CH_3	Bz	H	F	H	OH	H	H
VI-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-41-5	CH_3	H	H	CH_2Ph	Bz	H	F	H	OH	H	H
VI-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H
VI-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H
VI-41-8	CH_3	*	H	*	Bz	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VI-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-42-1	Et	H	H	H	Bz	H	F	H	OH	H	H
VI-42-2	Et	H	H	CH_3	Bz	H	F	H	OH	H	H
VI-42-3	Et	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-42-5	Et	H	H	CH_2Ph	Bz	H	F	H	OH	H	H
VI-42-6	Et	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H
VI-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H
VI-42-8	Et	*	H	*	Bz	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-43-1	^{i}Pr	H	H	H	Bz	H	F	H	OH	H	H
VI-43-2	^{i}Pr	H	H	CH_3	Bz	H	F	H	OH	H	H
VI-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-43-5	^{i}Pr	H	H	CH_2Ph	Bz	H	F	H	OH	H	H
VI-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H
VI-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H
VI-43-8	^{i}Pr	*	H	*	Bz	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-44-1	^{t}Bu	H	H	H	Bz	H	F	H	OH	H	H
VI-44-2	^{t}Bu	H	H	CH_3	Bz	H	F	H	OH	H	H
VI-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-44-5	^{t}Bu	H	H	CH_2Ph	Bz	H	F	H	OH	H	H
VI-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H
VI-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H
VI-44-8	^{t}Bu	*	H	*	Bz	H	F	H	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-45-1	Ph	H	H	H	Bz	H	F	H	OH	H	H
VI-45-2	Ph	H	H	CH_3	Bz	H	F	H	OH	H	H
VI-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-45-5	Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H
VI-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H
VI-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H
VI-45-8	Ph	*	H	*	Bz	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-46-1	p-Me-Ph	H	H	H	Bz	H	F	H	OH	H	H
VI-46-2	p-Me-Ph	H	H	CH_3	Bz	H	F	H	OH	H	H
VI-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H
VI-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H
VI-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H
VI-46-8	p-Me-Ph	*	H	*	Bz	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-47-1	p-F-Ph	H	H	H	Bz	H	F	H	OH	H	H
VI-47-2	p-F-Ph	H	H	CH_3	Bz	H	F	H	OH	H	H
VI-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-47-5	p-F-Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H
VI-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H
VI-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-47-8	p-F-Ph	*	H	*	Bz	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-48-1	p-Cl-Ph	H	H	H	Bz	H	F	H	OH	H	H
VI-48-2	p-Cl-Ph	H	H	CH_3	Bz	H	F	H	OH	H	H
VI-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H
VI-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H
VI-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H
VI-48-8	p-Cl-Ph	*	H	*	Bz	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VI-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-49-1	p-Br-Ph	H	H	H	Bz	H	F	H	OH	H	H
VI-49-2	p-Br-Ph	H	H	CH_3	Bz	H	F	H	OH	H	H
VI-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H
VI-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H
VI-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H
VI-49-8	p-Br-Ph	*	H	*	Bz	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

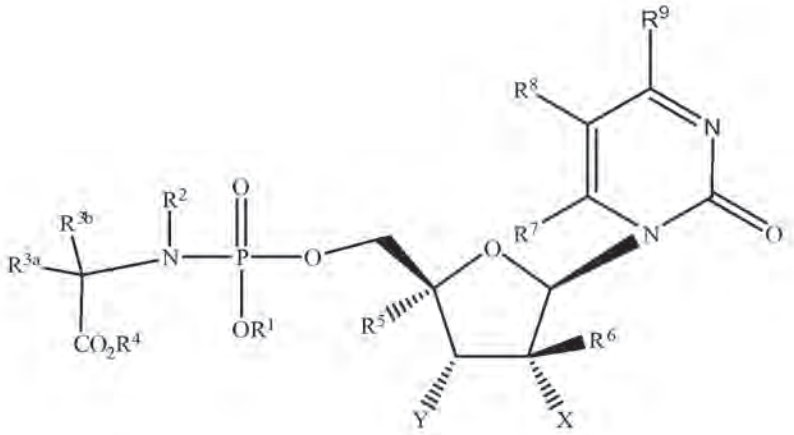
Table VI-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-50-1	p-I-Ph	H	H	H	Bz	H	F	H	OH	H	H
VI-50-2	p-I-Ph	H	H	CH_3	Bz	H	F	H	OH	H	H
VI-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H
VI-50-5	p-I-Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VI-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H
VI-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H
VI-50-8	p-I-Ph	*	H	*	Bz	H	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.



VII

Table VII-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-1-1	CH_3	H	H	H	CH_3	H	F	H	OH	H	H	NH_2
VII-1-2	CH_3	H	H	CH_3	CH_3	H	F	H	OH	H	H	NH_2
VII-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-1-5	CH_3	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H	NH_2
VII-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H	NH_2
VII-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H	NH_2
VII-1-8	CH_3	*	H	*	CH_3	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-2-1	Et	H	H	H	CH_3	H	F	H	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-2-2	Et	H	H	CH_3	CH_3	H	F	H	OH	H	H	NH_2
VII-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-2-5	Et	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H	NH_2
VII-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H	NH_2
VII-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H	NH_2
VII-2-8	Et	*	H	*	CH_3	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-3-1	^{i}Pr	H	H	H	CH_3	H	F	H	OH	H	H	NH_2
VII-3-2	^{i}Pr	H	H	CH_3	CH_3	H	F	H	OH	H	H	NH_2
VII-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H	NH_2
VII-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H	NH_2
VII-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H	NH_2
VII-3-8	^{i}Pr	*	H	*	CH_3	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-4-1	^{t}Bu	H	H	H	CH_3	H	F	H	OH	H	H	NH_2
VII-4-2	^{t}Bu	H	H	CH_3	CH_3	H	F	H	OH	H	H	NH_2
VII-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H	NH_2
VII-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H	NH_2
VII-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H	NH_2
VII-4-8	^{t}Bu	*	H	*	CH_3	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-5.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-5-1	Ph	H	H	H	CH_3	H	F	H	OH	H	H	NH_2
VII-5-2	Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H	NH_2
VII-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-5-5	Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H	NH_2
VII-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H	NH_2
VII-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H	NH_2
VII-5-8	Ph	*	H	*	CH_3	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-6-1	p-Me-Ph	H	H	H	CH_3	H	F	H	OH	H	H	NH_2
VII-6-2	p-Me-Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H	NH_2
VII-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H	NH_2
VII-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H	NH_2
VII-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H	NH_2
VII-6-8	p-Me-Ph	*	H	*	CH_3	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-7-1	p-F-Ph	H	H	H	CH_3	H	F	H	OH	H	H	NH_2
VII-7-2	p-F-Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H	NH_2
VII-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H	NH_2
VII-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H	NH_2
VII-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H	NH_2
VII-7-20	p-F-Ph	*	H	*	CH_3	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-8-1	p-Cl-Ph	H	H	H	CH_3	H	F	H	OH	H	H	NH_2
VII-8-2	p-Cl-Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H	NH_2
VII-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H	NH_2
VII-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H	NH_2
VII-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H	NH_2
VII-8-8	p-Cl-Ph	*	H	*	CH_3	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-9-1	p-Br-Ph	H	H	H	CH_3	H	F	H	OH	H	H	NH_2
VII-9-2	p-Br-Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H	NH_2
VII-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H	NH_2
VII-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H	NH_2
VII-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H	NH_2
VII-9-20	p-Br-Ph	*	H	*	CH_3	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-10-1	p-I-Ph	H	H	H	CH_3	H	F	H	OH	H	H	NH_2
VII-10-2	p-I-Ph	H	H	CH_3	CH_3	H	F	H	OH	H	H	NH_2
VII-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	H	OH	H	H	NH_2
VII-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	H	F	H	OH	H	H	NH_2
VII-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	H	OH	H	H	NH_2
VII-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	H	OH	H	H	NH_2
VII-10-8	p-I-Ph	*	H	*	CH_3	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-11-1	CH_3	H	H	H	Et	H	F	H	OH	H	H	NH_2
VII-11-2	CH_3	H	H	CH_3	Et	H	F	H	OH	H	H	NH_2
VII-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-11-5	CH_3	H	H	CH_2Ph	Et	H	F	H	OH	H	H	NH_2
VII-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H	NH_2
VII-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H	NH_2
VII-11-8	CH_3	*	H	*	Et	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-12-1	Et	H	H	H	Et	H	F	H	OH	H	H	NH_2
VII-12-2	Et	H	H	CH_3	Et	H	F	H	OH	H	H	NH_2
VII-12-3	Et	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-12-5	Et	H	H	CH_2Ph	Et	H	F	H	OH	H	H	NH_2
VII-12-6	Et	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H	NH_2
VII-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H	NH_2
VII-12-8	Et	*	H	*	Et	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-13-1	^{i}Pr	H	H	H	Et	H	F	H	OH	H	H	NH_2
VII-13-2	^{i}Pr	H	H	CH_3	Et	H	F	H	OH	H	H	NH_2
VII-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-13-5	^{i}Pr	H	H	CH_2Ph	Et	H	F	H	OH	H	H	NH_2
VII-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H	NH_2
VII-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H	NH_2
VII-13-8	^{i}Pr	*	H	*	Et	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-14-1	^{t}Bu	H	H	H	Et	H	F	H	OH	H	H	NH_2
VII-14-2	^{t}Bu	H	H	CH_3	Et	H	F	H	OH	H	H	NH_2
VII-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-14-5	^{t}Bu	H	H	CH_2Ph	Et	H	F	H	OH	H	H	NH_2
VII-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H	NH_2
VII-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H	NH_2
VII-14-8	^{t}Bu	*	H	*	Et	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-15-1	Ph	H	H	H	Et	H	F	H	OH	H	H	NH_2
VII-15-2	Ph	H	H	CH_3	Et	H	F	H	OH	H	H	NH_2
VII-15-3	Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-15-5	Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H	NH_2
VII-15-6	Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H	NH_2
VII-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H	NH_2
VII-15-8	Ph	*	H	*	Et	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-16-1	p-Me-Ph	H	H	H	Et	H	F	H	OH	H	H	NH_2
VII-16-2	p-Me-Ph	H	H	CH_3	Et	H	F	H	OH	H	H	NH_2
VII-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-16-5	p-Me-Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H	NH_2
VII-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H	NH_2
VII-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H	NH_2
VII-16-8	p-Me-Ph	*	H	*	Et	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-17-1	p-F-Ph	H	H	H	Et	H	F	H	OH	H	H	NH_2
VII-17-2	p-F-Ph	H	H	CH_3	Et	H	F	H	OH	H	H	NH_2
VII-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-17-5	p-F-Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H	NH_2
VII-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H	NH_2
VII-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H	NH_2
VII-17-8	p-F-Ph	*	H	*	Et	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-18-1	p-Cl-Ph	H	H	H	Et	H	F	H	OH	H	H	NH_2
VII-18-2	p-Cl-Ph	H	H	CH_3	Et	H	F	H	OH	H	H	NH_2
VII-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H	NH_2
VII-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H	NH_2
VII-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H	NH_2
VII-18-8	p-Cl-Ph	*	H	*	Et	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-19-1	p-Br-Ph	H	H	H	Et	H	F	H	OH	H	H	NH_2
VII-19-2	p-Br-Ph	H	H	CH_3	Et	H	F	H	OH	H	H	NH_2
VII-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-19-5	p-Br-Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H	NH_2
VII-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H	NH_2
VII-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H	NH_2
VII-19-8	p-Br-Ph	*	H	*	Et	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-20-1	p-I-Ph	H	H	H	Et	H	F	H	OH	H	H	NH_2
VII-20-2	p-I-Ph	H	H	CH_3	Et	H	F	H	OH	H	H	NH_2
VII-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	H	OH	H	H	NH_2
VII-20-5	p-I-Ph	H	H	CH_2Ph	Et	H	F	H	OH	H	H	NH_2
VII-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	H	F	H	OH	H	H	NH_2
VII-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	H	OH	H	H	NH_2
VII-20-8	p-I-Ph	*	H	*	Et	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-21-1	CH_3	H	H	H	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-21-2	CH_3	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-21-8	CH_3	*	H	*	^{i}Pr	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-22-1	Et	H	H	H	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-22-2	Et	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-22-5	Et	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-22-8	Et	*	H	*	^{i}Pr	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-23-1	^{i}Pr	H	H	H	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-23-8	^{i}Pr	*	H	*	^{i}Pr	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-24-1	^{t}Bu	H	H	H	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-24-8	^{t}Bu	*	H	*	^{i}Pr	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-25-1	Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-25-2	Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-25-5	Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-25-8	Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-26-1	p-Me-Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-26-8	p-Me-Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-27-1	p-F-Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-27-8	p-F-Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-28-1	p-Cl-Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-28-8	p-Cl-Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-29-1	p-Br-Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-29-8	p-Br-Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-30-1	p-I-Ph	H	H	H	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	H	OH	H	H	NH_2
VII-30-8	p-I-Ph	*	H	*	^{i}Pr	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-31-1	CH_3	H	H	H	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-31-2	CH_3	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-31-8	CH_3	*	H	*	^{n}Bu	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-32-1	Et	H	H	H	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-32-2	Et	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-32-5	Et	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-32-8	Et	*	H	*	^{n}Bu	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-33-1	^{i}Pr	H	H	H	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-33-8	^{i}Pr	*	H	*	^{n}Bu	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-34-1	^{t}Bu	H	H	H	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-34-8	^{t}Bu	*	H	*	^{n}Bu	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-35-1	Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-35-2	Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-35-5	Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-35-8	Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-36-1	p-Me-Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-36-8	p-Me-Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-37-1	p-F-Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-37-8	p-F-Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-38-1	p-Cl-Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-38-8	p-Cl-Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-39-1	p-Br-Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-39-8	p-Br-Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-40-1	p-I-Ph	H	H	H	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	H	OH	H	H	NH_2
VII-40-8	p-I-Ph	*	H	*	^{n}Bu	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-41-1	CH_3	H	H	H	Bz	H	F	H	OH	H	H	NH_2
VII-41-2	CH_3	H	H	CH_3	Bz	H	F	H	OH	H	H	NH_2
VII-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-41-5	CH_3	H	H	CH_2Ph	Bz	H	F	H	OH	H	H	NH_2
VII-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H	NH_2
VII-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H	NH_2
VII-41-8	CH_3	*	H	*	Bz	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-42-1	Et	H	H	H	Bz	H	F	H	OH	H	H	NH_2
VII-42-2	Et	H	H	CH_3	Bz	H	F	H	OH	H	H	NH_2
VII-42-3	Et	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-42-5	Et	H	H	CH_2Ph	Bz	H	F	H	OH	H	H	NH_2
VII-42-6	Et	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H	NH_2
VII-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H	NH_2
VII-42-8	Et	*	H	*	Bz	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VII-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-43-1	^{i}Pr	H	H	H	Bz	H	F	H	OH	H	H	NH_2
VII-43-2	^{i}Pr	H	H	CH_3	Bz	H	F	H	OH	H	H	NH_2
VII-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-43-5	^{i}Pr	H	H	CH_2Ph	Bz	H	F	H	OH	H	H	NH_2
VII-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H	NH_2
VII-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H	NH_2
VII-43-8	^{i}Pr	*	H	*	Bz	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-44-1	^{t}Bu	H	H	H	Bz	H	F	H	OH	H	H	NH_2
VII-44-2	^{t}Bu	H	H	CH_3	Bz	H	F	H	OH	H	H	NH_2
VII-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-44-5	^{t}Bu	H	H	CH_2Ph	Bz	H	F	H	OH	H	H	NH_2
VII-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H	NH_2
VII-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H	NH_2
VII-44-8	^{t}Bu	*	H	*	Bz	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-45-1	Ph	H	H	H	Bz	H	F	H	OH	H	H	NH_2
VII-45-2	Ph	H	H	CH_3	Bz	H	F	H	OH	H	H	NH_2
VII-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-45-5	Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H	NH_2
VII-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H	NH_2
VII-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H	NH_2
VII-45-8	Ph	*	H	*	Bz	H	F	H	OH	H	H	NH_2

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-46-1	p-Me-Ph	H	H	H	Bz	H	F	H	OH	H	H	NH_2
VII-46-2	p-Me-Ph	H	H	CH_3	Bz	H	F	H	OH	H	H	NH_2
VII-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H	NH_2
VII-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H	NH_2
VII-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H	NH_2
VII-46-8	p-Me-Ph	*	H	*	Bz	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-47-1	p-F-Ph	H	H	H	Bz	H	F	H	OH	H	H	NH_2
VII-47-2	p-F-Ph	H	H	CH_3	Bz	H	F	H	OH	H	H	NH_2
VII-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-47-5	p-F-Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H	NH_2
VII-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H	NH_2
VII-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H	NH_2
VII-47-8	p-F-Ph	*	H	*	Bz	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-48-1	p-Cl-Ph	H	H	H	Bz	H	F	H	OH	H	H	NH_2
VII-48-2	p-Cl-Ph	H	H	CH_3	Bz	H	F	H	OH	H	H	NH_2
VII-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H	NH_2
VII-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H	NH_2
VII-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H	NH_2

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-48-8	p-Cl-Ph	*	H	*	Bz	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-49-1	p-Br-Ph	H	H	H	Bz	H	F	H	OH	H	H	NH_2
VII-49-2	p-Br-Ph	H	H	CH_3	Bz	H	F	H	OH	H	H	NH_2
VII-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H	NH_2
VII-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H	NH_2
VII-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H	NH_2
VII-49-8	p-Br-Ph	*	H	*	Bz	H	F	H	OH	H	H	NH_2

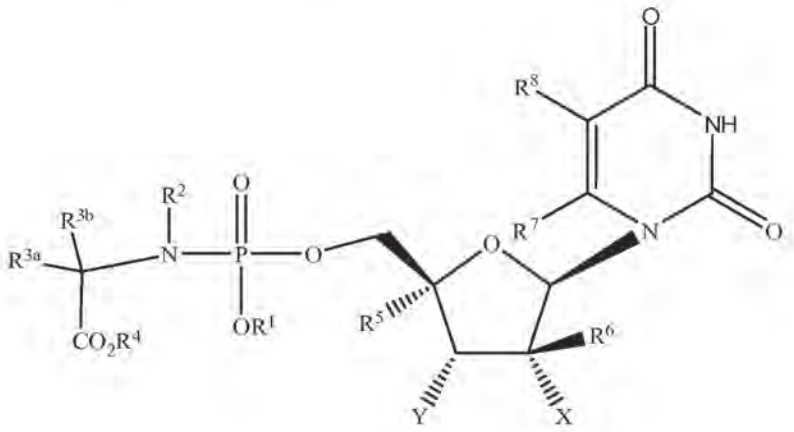
*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VII-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8	R^9
VII-50-1	p-I-Ph	H	H	H	Bz	H	F	H	OH	H	H	NH_2
VII-50-2	p-I-Ph	H	H	CH_3	Bz	H	F	H	OH	H	H	NH_2
VII-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	H	OH	H	H	NH_2
VII-50-5	p-I-Ph	H	H	CH_2Ph	Bz	H	F	H	OH	H	H	NH_2
VII-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	H	OH	H	H	NH_2
VII-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	H	OH	H	H	NH_2
VII-50-8	p-I-Ph	*	H	*	Bz	H	F	H	OH	H	H	NH_2

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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VIII

Table VIII-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-1-1	CH_3	H	H	H	CH_3	H	CH_3	OH	OH	H	H
VIII-1-2	CH_3	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H
VIII-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-1-5	CH_3	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H
VIII-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H
VIII-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H
VIII-1-8	CH_3	*	H	*	CH_3	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-2-1	Et	H	H	H	CH_3	H	CH_3	OH	OH	H	H
VIII-2-2	Et	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H
VIII-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-2-5	Et	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H
VIII-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H
VIII-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H
VIII-2-8	Et	*	H	*	CH_3	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-3-1	^{i}Pr	H	H	H	CH_3	H	CH_3	OH	OH	H	H
VIII-3-2	^{i}Pr	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H
VIII-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H
VIII-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H
VIII-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H
VIII-3-8	^{i}Pr	*	H	*	CH_3	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-4-1	^{t}Bu	H	H	H	CH_3	H	CH_3	OH	OH	H	H
VIII-4-2	^{t}Bu	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H
VIII-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H
VIII-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H
VIII-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H
VIII-4-8	^{t}Bu	*	H	*	CH_3	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-5-1	Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H
VIII-5-2	Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H
VIII-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-5-5	Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H
VIII-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H
VIII-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H
VIII-5-8	Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-6-1	p-Me-Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H
VIII-6-2	p-Me-Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H
VIII-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H
VIII-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H
VIII-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H
VIII-6-8	p-Me-Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-7-1	p-F-Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H
VIII-7-2	p-F-Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H
VIII-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H
VIII-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H
VIII-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H
VIII-7-20	p-F-Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-8-1	p-Cl-Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H
VIII-8-2	p-Cl-Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H
VIII-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H
VIII-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H
VIII-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H
VIII-8-8	p-Cl-Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-9-1	p-Br-Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H
VIII-9-2	p-Br-Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H
VIII-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H
VIII-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H
VIII-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H
VIII-9-20	p-Br-Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-10-1	p-I-Ph	H	H	H	CH_3	H	CH_3	OH	OH	H	H
VIII-10-2	p-I-Ph	H	H	CH_3	CH_3	H	CH_3	OH	OH	H	H
VIII-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	OH	OH	H	H
VIII-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	H	CH_3	OH	OH	H	H
VIII-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	OH	OH	H	H
VIII-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	OH	OH	H	H
VIII-10-8	p-I-Ph	*	H	*	CH_3	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-11-1	CH_3	H	H	H	Et	H	CH_3	OH	OH	H	H
VIII-11-2	CH_3	H	H	CH_3	Et	H	CH_3	OH	OH	H	H
VIII-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-11-5	CH_3	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H
VIII-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H
VIII-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H
VIII-11-8	CH_3	*	H	*	Et	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-12-1	Et	H	H	H	Et	H	CH_3	OH	OH	H	H
VIII-12-2	Et	H	H	CH_3	Et	H	CH_3	OH	OH	H	H
VIII-12-3	Et	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-12-5	Et	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H
VIII-12-6	Et	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H
VIII-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H
VIII-12-8	Et	*	H	*	Et	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-13-1	^{i}Pr	H	H	H	Et	H	CH_3	OH	OH	H	H
VIII-13-2	^{i}Pr	H	H	CH_3	Et	H	CH_3	OH	OH	H	H
VIII-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-13-5	^{i}Pr	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H
VIII-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H
VIII-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H
VIII-13-8	^{i}Pr	*	H	*	Et	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-14-1	^{t}Bu	H	H	H	Et	H	CH_3	OH	OH	H	H
VIII-14-2	^{t}Bu	H	H	CH_3	Et	H	CH_3	OH	OH	H	H
VIII-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-14-5	^{t}Bu	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H
VIII-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H
VIII-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H
VIII-14-8	^{t}Bu	*	H	*	Et	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-15-1	Ph	H	H	H	Et	H	CH_3	OH	OH	H	H
VIII-15-2	Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H
VIII-15-3	Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-15-5	Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H
VIII-15-6	Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H
VIII-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H
VIII-15-8	Ph	*	H	*	Et	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-16-1	p-Me-Ph	H	H	H	Et	H	CH_3	OH	OH	H	H
VIII-16-2	p-Me-Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H
VIII-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-16-5	p-Me-Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H
VIII-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H
VIII-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H
VIII-16-8	p-Me-Ph	*	H	*	Et	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-17-1	p-F-Ph	H	H	H	Et	H	CH_3	OH	OH	H	H
VIII-17-2	p-F-Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H
VIII-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-17-5	p-F-Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H
VIII-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H
VIII-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H
VIII-17-8	p-F-Ph	*	H	*	Et	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-18-1	p-Cl-Ph	H	H	H	Et	H	CH_3	OH	OH	H	H
VIII-18-2	p-Cl-Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H
VIII-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H
VIII-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H
VIII-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H
VIII-18-8	p-Cl-Ph	*	H	*	Et	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-19-1	p-Br-Ph	H	H	H	Et	H	CH_3	OH	OH	H	H
VIII-19-2	p-Br-Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H
VIII-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-19-5	p-Br-Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H
VIII-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H
VIII-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H
VIII-19-8	p-Br-Ph	*	H	*	Et	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-20-1	p-I-Ph	H	H	H	Et	H	CH_3	OH	OH	H	H
VIII-20-2	p-I-Ph	H	H	CH_3	Et	H	CH_3	OH	OH	H	H
VIII-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	OH	OH	H	H
VIII-20-5	p-I-Ph	H	H	CH_2Ph	Et	H	CH_3	OH	OH	H	H
VIII-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	OH	OH	H	H
VIII-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	OH	OH	H	H
VIII-20-8	p-I-Ph	*	H	*	Et	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-21-1	CH_3	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-21-2	CH_3	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-21-8	CH_3	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-22-1	Et	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-22-2	Et	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-22-5	Et	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-22-8	Et	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-23-1	^{i}Pr	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-23-8	^{i}Pr	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-24-1	^{t}Bu	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-24-8	^{t}Bu	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-25-1	Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-25-2	Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-25-5	Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-25-8	Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-26-1	p-Me-Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-26-8	p-Me-Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-27-1	p-F-Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-27-8	p-F-Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-28-1	p-Cl-Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-28-8	p-Cl-Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-29-1	p-Br-Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-29-8	p-Br-Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-30-1	p-I-Ph	H	H	H	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	OH	OH	H	H
VIII-30-8	p-I-Ph	*	H	*	^{i}Pr	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-31-1	CH_3	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-31-2	CH_3	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-31-8	CH_3	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-32-1	Et	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-32-2	Et	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-32-5	Et	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-32-8	Et	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-33-1	^{i}Pr	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-33-8	^{i}Pr	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-34-1	^{t}Bu	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-34-8	^{t}Bu	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-35-1	Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-35-2	Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-35-5	Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-35-8	Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-36-1	p-Me-Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-36-8	p-Me-Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-37-1	p-F-Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-37-8	p-F-Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-38-1	p-Cl-Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-38-8	p-Cl-Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-39-1	p-Br-Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-39-8	p-Br-Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-40-1	p-I-Ph	H	H	H	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	OH	OH	H	H
VIII-40-8	p-I-Ph	*	H	*	^{n}Bu	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-41-1	CH_3	H	H	H	Bz	H	CH_3	OH	OH	H	H
VIII-41-2	CH_3	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H
VIII-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-41-5	CH_3	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H
VIII-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H
VIII-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H
VIII-41-8	CH_3	*	H	*	Bz	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table VIII-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-42-1	Et	H	H	H	Bz	H	CH_3	OH	OH	H	H
VIII-42-2	Et	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H
VIII-42-3	Et	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-42-5	Et	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H
VIII-42-6	Et	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H
VIII-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H
VIII-42-8	Et	*	H	*	Bz	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-43-1	^{i}Pr	H	H	H	Bz	H	CH_3	OH	OH	H	H
VIII-43-2	^{i}Pr	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H
VIII-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-43-5	^{i}Pr	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H
VIII-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H
VIII-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H
VIII-43-8	^{i}Pr	*	H	*	Bz	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-44-1	^{t}Bu	H	H	H	Bz	H	CH_3	OH	OH	H	H
VIII-44-2	^{t}Bu	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H
VIII-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-44-5	^{t}Bu	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H
VIII-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H
VIII-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H
VIII-44-8	^{t}Bu	*	H	*	Bz	H	CH_3	OH	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-45-1	Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H
VIII-45-2	Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H
VIII-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-45-5	Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H
VIII-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H
VIII-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H
VIII-45-8	Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-46-1	p-Me-Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H
VIII-46-2	p-Me-Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H
VIII-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H
VIII-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H
VIII-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H
VIII-46-8	p-Me-Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-47-1	p-F-Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H
VIII-47-2	p-F-Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H
VIII-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-47-5	p-F-Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H
VIII-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H
VIII-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-47-8	p-F-Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-48-1	p-Cl-Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H
VIII-48-2	p-Cl-Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H
VIII-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H
VIII-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H
VIII-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H
VIII-48-8	p-Cl-Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table VIII-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-49-1	p-Br-Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H
VIII-49-2	p-Br-Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H
VIII-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H
VIII-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H
VIII-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H
VIII-49-8	p-Br-Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

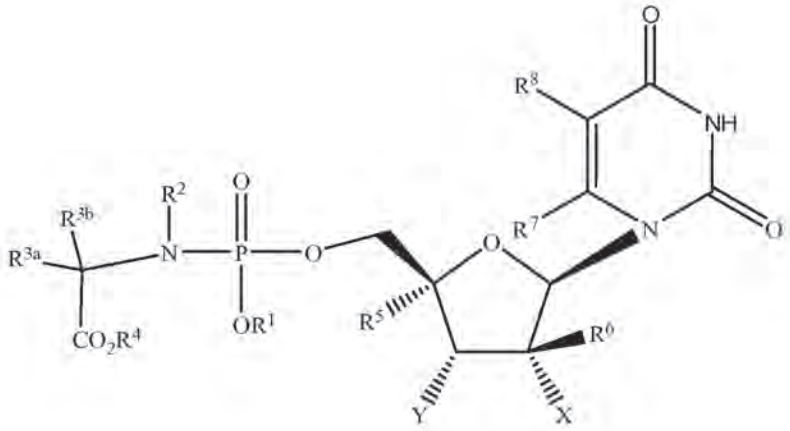
Table VIII-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-50-1	p-I-Ph	H	H	H	Bz	H	CH_3	OH	OH	H	H
VIII-50-2	p-I-Ph	H	H	CH_3	Bz	H	CH_3	OH	OH	H	H
VIII-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	OH	OH	H	H
VIII-50-5	p-I-Ph	H	H	CH_2Ph	Bz	H	CH_3	OH	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
VIII-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	OH	OH	H	H
VIII-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	OH	OH	H	H
VIII-50-8	p-I-Ph	*	H	*	Bz	H	CH_3	OH	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.



IX

Table IX-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-1-1	CH_3	H	H	H	CH_3	H	CH_3	F	OH	H	H
IX-1-2	CH_3	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H
IX-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-1-5	CH_3	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H
IX-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H
IX-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H
IX-1-8	CH_3	*	H	*	CH_3	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-2-1	Et	H	H	H	CH_3	H	CH_3	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-2-2	Et	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H
IX-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-2-5	Et	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H
IX-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H
IX-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H
IX-2-8	Et	*	H	*	CH_3	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-3-1	^{i}Pr	H	H	H	CH_3	H	CH_3	F	OH	H	H
IX-3-2	^{i}Pr	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H
IX-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H
IX-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H
IX-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H
IX-3-8	^{i}Pr	*	H	*	CH_3	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-4-1	^{t}Bu	H	H	H	CH_3	H	CH_3	F	OH	H	H
IX-4-2	^{t}Bu	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H
IX-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H
IX-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H
IX-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H
IX-4-8	^{t}Bu	*	H	*	CH_3	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-5.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-5-1	Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H
IX-5-2	Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H
IX-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-5-5	Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H
IX-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H
IX-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H
IX-5-8	Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-6-1	p-Me-Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H
IX-6-2	p-Me-Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H
IX-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H
IX-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H
IX-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H
IX-6-8	p-Me-Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-7-1	p-F-Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H
IX-7-2	p-F-Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H
IX-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H
IX-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H
IX-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H
IX-7-20	p-F-Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-8-1	p-Cl-Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H
IX-8-2	p-Cl-Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H
IX-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H
IX-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H
IX-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H
IX-8-8	p-Cl-Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-9-1	p-Br-Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H
IX-9-2	p-Br-Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H
IX-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H
IX-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H
IX-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H
IX-9-20	p-Br-Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-10-1	p-I-Ph	H	H	H	CH_3	H	CH_3	F	OH	H	H
IX-10-2	p-I-Ph	H	H	CH_3	CH_3	H	CH_3	F	OH	H	H
IX-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	CH_3	F	OH	H	H
IX-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	H	CH_3	F	OH	H	H
IX-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	H	CH_3	F	OH	H	H
IX-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	CH_3	F	OH	H	H
IX-10-8	p-I-Ph	*	H	*	CH_3	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-11-1	CH_3	H	H	H	Et	H	CH_3	F	OH	H	H
IX-11-2	CH_3	H	H	CH_3	Et	H	CH_3	F	OH	H	H
IX-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-11-5	CH_3	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H
IX-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H
IX-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H
IX-11-8	CH_3	*	H	*	Et	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-12-1	Et	H	H	H	Et	H	CH_3	F	OH	H	H
IX-12-2	Et	H	H	CH_3	Et	H	CH_3	F	OH	H	H
IX-12-3	Et	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-12-5	Et	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H
IX-12-6	Et	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H
IX-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H
IX-12-8	Et	*	H	*	Et	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-13-1	^{i}Pr	H	H	H	Et	H	CH_3	F	OH	H	H
IX-13-2	^{i}Pr	H	H	CH_3	Et	H	CH_3	F	OH	H	H
IX-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-13-5	^{i}Pr	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H
IX-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H
IX-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H
IX-13-8	^{i}Pr	*	H	*	Et	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-14-1	^{t}Bu	H	H	H	Et	H	CH_3	F	OH	H	H
IX-14-2	^{t}Bu	H	H	CH_3	Et	H	CH_3	F	OH	H	H
IX-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-14-5	^{t}Bu	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H
IX-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H
IX-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H
IX-14-8	^{t}Bu	*	H	*	Et	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-15-1	Ph	H	H	H	Et	H	CH_3	F	OH	H	H
IX-15-2	Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H
IX-15-3	Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-15-5	Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H
IX-15-6	Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H
IX-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H
IX-15-8	Ph	*	H	*	Et	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-16-1	p-Me-Ph	H	H	H	Et	H	CH_3	F	OH	H	H
IX-16-2	p-Me-Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H
IX-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-16-5	p-Me-Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H
IX-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H
IX-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H
IX-16-8	p-Me-Ph	*	H	*	Et	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-17-1	p-F-Ph	H	H	H	Et	H	CH_3	F	OH	H	H
IX-17-2	p-F-Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H
IX-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-17-5	p-F-Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H
IX-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H
IX-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H
IX-17-8	p-F-Ph	*	H	*	Et	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-18-1	p-Cl-Ph	H	H	H	Et	H	CH_3	F	OH	H	H
IX-18-2	p-Cl-Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H
IX-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H
IX-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H
IX-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H
IX-18-8	p-Cl-Ph	*	H	*	Et	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-19-1	p-Br-Ph	H	H	H	Et	H	CH_3	F	OH	H	H
IX-19-2	p-Br-Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H
IX-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-19-5	p-Br-Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H
IX-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H
IX-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H
IX-19-8	p-Br-Ph	*	H	*	Et	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-20-1	p-I-Ph	H	H	H	Et	H	CH_3	F	OH	H	H
IX-20-2	p-I-Ph	H	H	CH_3	Et	H	CH_3	F	OH	H	H
IX-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	CH_3	F	OH	H	H
IX-20-5	p-I-Ph	H	H	CH_2Ph	Et	H	CH_3	F	OH	H	H
IX-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	H	CH_3	F	OH	H	H
IX-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	CH_3	F	OH	H	H
IX-20-8	p-I-Ph	*	H	*	Et	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-21-1	CH_3	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H
IX-21-2	CH_3	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H
IX-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H
IX-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H
IX-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H
IX-21-8	CH_3	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-22-1	Et	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H
IX-22-2	Et	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H
IX-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-22-5	Et	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H
IX-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H
IX-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H
IX-22-8	Et	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-23-1	^{i}Pr	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H
IX-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H
IX-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H
IX-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H
IX-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H
IX-23-8	^{i}Pr	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-24-1	^{t}Bu	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H
IX-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H
IX-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H
IX-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H
IX-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H
IX-24-8	^{t}Bu	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-25-1	Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H
IX-25-2	Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H
IX-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-25-5	Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H
IX-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H
IX-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H
IX-25-8	Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-26-1	p-Me-Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H
IX-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H
IX-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H
IX-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H
IX-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H
IX-26-8	p-Me-Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-27-1	p-F-Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H
IX-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H
IX-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H
IX-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H
IX-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H
IX-27-8	p-F-Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-28-1	p-Cl-Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H
IX-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H
IX-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H
IX-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H
IX-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H
IX-28-8	p-Cl-Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-29-1	p-Br-Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H
IX-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H
IX-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H
IX-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H
IX-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H
IX-29-8	p-Br-Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-30-1	p-I-Ph	H	H	H	^{i}Pr	H	CH_3	F	OH	H	H
IX-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	H	CH_3	F	OH	H	H
IX-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	CH_3	F	OH	H	H
IX-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	H	CH_3	F	OH	H	H
IX-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	CH_3	F	OH	H	H
IX-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	CH_3	F	OH	H	H
IX-30-8	p-I-Ph	*	H	*	^{i}Pr	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-31-1	CH_3	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H
IX-31-2	CH_3	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H
IX-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H
IX-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H
IX-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H
IX-31-8	CH_3	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-32-1	Et	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H
IX-32-2	Et	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H
IX-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-32-5	Et	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H
IX-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H
IX-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H
IX-32-8	Et	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-33-1	^{i}Pr	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H
IX-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H
IX-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H
IX-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H
IX-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H
IX-33-8	^{i}Pr	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-34-1	^{t}Bu	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H
IX-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H
IX-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H
IX-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H
IX-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H
IX-34-8	^{t}Bu	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-35-1	Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H
IX-35-2	Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H
IX-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-35-5	Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H
IX-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H
IX-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H
IX-35-8	Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-36-1	p-Me-Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H
IX-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H
IX-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H
IX-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H
IX-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H
IX-36-8	p-Me-Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-37-1	p-F-Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H
IX-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H
IX-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H
IX-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H
IX-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H
IX-37-8	p-F-Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-38-1	p-Cl-Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H
IX-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H
IX-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H
IX-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H
IX-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H
IX-38-8	p-Cl-Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-39-1	p-Br-Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H
IX-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H
IX-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H
IX-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H
IX-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H
IX-39-8	p-Br-Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-40-1	p-I-Ph	H	H	H	^{n}Bu	H	CH_3	F	OH	H	H
IX-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	H	CH_3	F	OH	H	H
IX-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	CH_3	F	OH	H	H
IX-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	H	CH_3	F	OH	H	H
IX-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	CH_3	F	OH	H	H
IX-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	CH_3	F	OH	H	H
IX-40-8	p-I-Ph	*	H	*	^{n}Bu	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table IX-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-41-1	CH_3	H	H	H	Bz	H	CH_3	F	OH	H	H
IX-41-2	CH_3	H	H	CH_3	Bz	H	CH_3	F	OH	H	H
IX-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-41-5	CH_3	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H
IX-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H
IX-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H
IX-41-8	CH_3	*	H	*	Bz	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-42-1	Et	H	H	H	Bz	H	CH_3	F	OH	H	H
IX-42-2	Et	H	H	CH_3	Bz	H	CH_3	F	OH	H	H
IX-42-3	Et	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-42-5	Et	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H
IX-42-6	Et	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H
IX-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H
IX-42-8	Et	*	H	*	Bz	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-43-1	^{i}Pr	H	H	H	Bz	H	CH_3	F	OH	H	H
IX-43-2	^{i}Pr	H	H	CH_3	Bz	H	CH_3	F	OH	H	H
IX-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-43-5	^{i}Pr	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H
IX-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H
IX-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H
IX-43-8	^{i}Pr	*	H	*	Bz	H	CH_3	F	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-44-1	^{t}Bu	H	H	H	Bz	H	CH_3	F	OH	H	H
IX-44-2	^{t}Bu	H	H	CH_3	Bz	H	CH_3	F	OH	H	H
IX-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-44-5	^{t}Bu	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H
IX-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H
IX-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H
IX-44-8	^{t}Bu	*	H	*	Bz	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-45-1	Ph	H	H	H	Bz	H	CH_3	F	OH	H	H
IX-45-2	Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H
IX-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-45-5	Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H
IX-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H
IX-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H
IX-45-8	Ph	*	H	*	Bz	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-46-1	p-Me-Ph	H	H	H	Bz	H	CH_3	F	OH	H	H
IX-46-2	p-Me-Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H
IX-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H
IX-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H
IX-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-46-8	p-Me-Ph	*	H	*	Bz	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-47-1	p-F-Ph	H	H	H	Bz	H	CH_3	F	OH	H	H
IX-47-2	p-F-Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H
IX-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-47-5	p-F-Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H
IX-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H
IX-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H
IX-47-8	p-F-Ph	*	H	*	Bz	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-48-1	p-Cl-Ph	H	H	H	Bz	H	CH_3	F	OH	H	H
IX-48-2	p-Cl-Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H
IX-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H
IX-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H
IX-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H
IX-48-8	p-Cl-Ph	*	H	*	Bz	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-49-1	p-Br-Ph	H	H	H	Bz	H	CH_3	F	OH	H	H
IX-49-2	p-Br-Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H
IX-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H
IX-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H
IX-49-8	p-Br-Ph	*	H	*	Bz	H	CH_3	F	OH	H	H

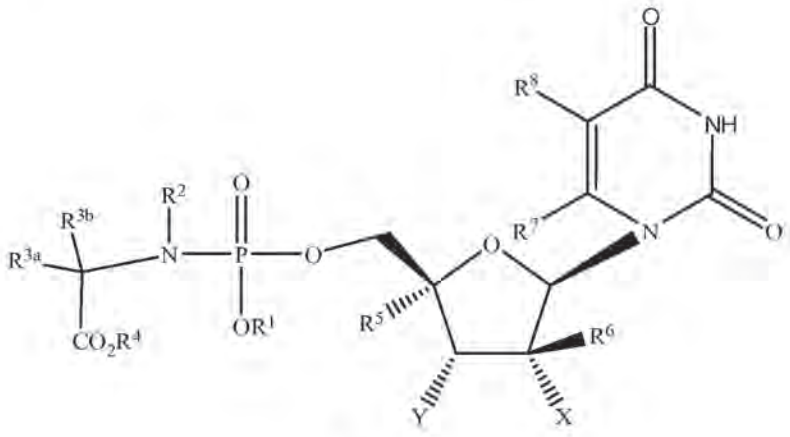
*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table IX-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
IX-50-1	p-I-Ph	H	H	H	Bz	H	CH_3	F	OH	H	H
IX-50-2	p-I-Ph	H	H	CH_3	Bz	H	CH_3	F	OH	H	H
IX-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	CH_3	F	OH	H	H
IX-50-5	p-I-Ph	H	H	CH_2Ph	Bz	H	CH_3	F	OH	H	H
IX-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	H	CH_3	F	OH	H	H
IX-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	CH_3	F	OH	H	H
IX-50-8	p-I-Ph	*	H	*	Bz	H	CH_3	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

5



X

Table X-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-1-1	CH_3	H	H	H	CH_3	H	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-1-2	CH_3	H	H	CH_3	CH_3	H	F	F	OH	H	H
X-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-1-5	CH_3	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H
X-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H
X-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H
X-1-8	CH_3	*	H	*	CH_3	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-2-1	Et	H	H	H	CH_3	H	F	F	OH	H	H
X-2-2	Et	H	H	CH_3	CH_3	H	F	F	OH	H	H
X-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-2-5	Et	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H
X-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H
X-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H
X-2-8	Et	*	H	*	CH_3	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-3-1	^{i}Pr	H	H	H	CH_3	H	F	F	OH	H	H
X-3-2	^{i}Pr	H	H	CH_3	CH_3	H	F	F	OH	H	H
X-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H
X-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H
X-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H
X-3-8	^{i}Pr	*	H	*	CH_3	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-4.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-4-1	^{t}Bu	H	H	H	CH_3	H	F	F	OH	H	H
X-4-2	^{t}Bu	H	H	CH_3	CH_3	H	F	F	OH	H	H
X-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H
X-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H
X-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H
X-4-8	^{t}Bu	*	H	*	CH_3	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-5-1	Ph	H	H	H	CH_3	H	F	F	OH	H	H
X-5-2	Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H
X-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-5-5	Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H
X-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H
X-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H
X-5-8	Ph	*	H	*	CH_3	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-6-1	p-Me-Ph	H	H	H	CH_3	H	F	F	OH	H	H
X-6-2	p-Me-Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H
X-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H
X-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H
X-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H
X-6-8	p-Me-Ph	*	H	*	CH_3	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table X-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-7-1	p-F-Ph	H	H	H	CH_3	H	F	F	OH	H	H
X-7-2	p-F-Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H
X-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H
X-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H
X-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H
X-7-20	p-F-Ph	*	H	*	CH_3	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-8-1	p-Cl-Ph	H	H	H	CH_3	H	F	F	OH	H	H
X-8-2	p-Cl-Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H
X-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H
X-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H
X-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H
X-8-8	p-Cl-Ph	*	H	*	CH_3	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-9-1	p-Br-Ph	H	H	H	CH_3	H	F	F	OH	H	H
X-9-2	p-Br-Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H
X-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H
X-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H
X-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H
X-9-20	p-Br-Ph	*	H	*	CH_3	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table X-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-10-1	p-I-Ph	H	H	H	CH_3	H	F	F	OH	H	H
X-10-2	p-I-Ph	H	H	CH_3	CH_3	H	F	F	OH	H	H
X-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	F	F	OH	H	H
X-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	H	F	F	OH	H	H
X-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	H	F	F	OH	H	H
X-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	F	F	OH	H	H
X-10-8	p-I-Ph	*	H	*	CH_3	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-11-1	CH_3	H	H	H	Et	H	F	F	OH	H	H
X-11-2	CH_3	H	H	CH_3	Et	H	F	F	OH	H	H
X-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-11-5	CH_3	H	H	CH_2Ph	Et	H	F	F	OH	H	H
X-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H
X-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H
X-11-8	CH_3	*	H	*	Et	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-12-1	Et	H	H	H	Et	H	F	F	OH	H	H
X-12-2	Et	H	H	CH_3	Et	H	F	F	OH	H	H
X-12-3	Et	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-12-5	Et	H	H	CH_2Ph	Et	H	F	F	OH	H	H
X-12-6	Et	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H
X-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H
X-12-8	Et	*	H	*	Et	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table X-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-13-1	^{i}Pr	H	H	H	Et	H	F	F	OH	H	H
X-13-2	^{i}Pr	H	H	CH_3	Et	H	F	F	OH	H	H
X-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-13-5	^{i}Pr	H	H	CH_2Ph	Et	H	F	F	OH	H	H
X-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H
X-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H
X-13-8	^{i}Pr	*	H	*	Et	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-14-1	^{t}Bu	H	H	H	Et	H	F	F	OH	H	H
X-14-2	^{t}Bu	H	H	CH_3	Et	H	F	F	OH	H	H
X-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-14-5	^{t}Bu	H	H	CH_2Ph	Et	H	F	F	OH	H	H
X-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H
X-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H
X-14-8	^{t}Bu	*	H	*	Et	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-15-1	Ph	H	H	H	Et	H	F	F	OH	H	H
X-15-2	Ph	H	H	CH_3	Et	H	F	F	OH	H	H
X-15-3	Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-15-5	Ph	H	H	CH_2Ph	Et	H	F	F	OH	H	H
X-15-6	Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H
X-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H
X-15-8	Ph	*	H	*	Et	H	F	F	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-16-1	p-Me-Ph	H	H	H	Et	H	F	F	OH	H	H
X-16-2	p-Me-Ph	H	H	CH_3	Et	H	F	F	OH	H	H
X-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-16-5	p-Me-Ph	H	H	CH_2Ph	Et	H	F	F	OH	H	H
X-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H
X-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H
X-16-8	p-Me-Ph	*	H	*	Et	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-17-1	p-F-Ph	H	H	H	Et	H	F	F	OH	H	H
X-17-2	p-F-Ph	H	H	CH_3	Et	H	F	F	OH	H	H
X-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-17-5	p-F-Ph	H	H	CH_2Ph	Et	H	F	F	OH	H	H
X-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H
X-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H
X-17-8	p-F-Ph	*	H	*	Et	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-18-1	p-Cl-Ph	H	H	H	Et	H	F	F	OH	H	H
X-18-2	p-Cl-Ph	H	H	CH_3	Et	H	F	F	OH	H	H
X-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	H	F	F	OH	H	H
X-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H
X-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-18-8	p-Cl-Ph	*	H	*	Et	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-19-1	p-Br-Ph	H	H	H	Et	H	F	F	OH	H	H
X-19-2	p-Br-Ph	H	H	CH_3	Et	H	F	F	OH	H	H
X-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H	H
X-19-5	p-Br-Ph	H	H	CH_2Ph	Et	H	F	F	OH	H	H
X-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H	H
X-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H	H
X-19-8	p-Br-Ph	*	H	*	Et	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7
X-20-1	p-I-Ph	H	H	H	Et	H	F	F	OH	H
X-20-2	p-I-Ph	H	H	CH_3	Et	H	F	F	OH	H
X-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	H	F	F	OH	H
X-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	F	F	OH	H
X-20-5	p-I-Ph	H	H	CH_2Ph	Et	H	F	F	OH	H
X-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	H	F	F	OH	H
X-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	F	F	OH	H
X-20-8	p-I-Ph	*	H	*	Et	H	F	F	OH	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-21-1	CH_3	H	H	H	^{i}Pr	H	F	F	OH	H	H
X-21-2	CH_3	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H
X-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H
X-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H
X-21-8	CH_3	*	H	*	^{i}Pr	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-22-1	Et	H	H	H	^{i}Pr	H	F	F	OH	H	H
X-22-2	Et	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H
X-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-22-5	Et	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H
X-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H
X-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H
X-22-8	Et	*	H	*	^{i}Pr	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-23-1	^{i}Pr	H	H	H	^{i}Pr	H	F	F	OH	H	H
X-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H
X-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H
X-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H
X-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H
X-23-8	^{i}Pr	*	H	*	^{i}Pr	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-24-1	^{t}Bu	H	H	H	^{i}Pr	H	F	F	OH	H	H
X-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H
X-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H
X-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H
X-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H
X-24-8	^{t}Bu	*	H	*	^{i}Pr	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-25-1	Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H
X-25-2	Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H
X-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-25-5	Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H
X-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H
X-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H
X-25-8	Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-26-1	p-Me-Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H
X-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H
X-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H
X-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H
X-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H
X-26-8	p-Me-Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-27-1	p-F-Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H
X-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H
X-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H
X-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H
X-27-8	p-F-Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-28-1	p-Cl-Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H
X-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H
X-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H
X-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H
X-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H
X-28-8	p-Cl-Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-29-1	p-Br-Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H
X-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H
X-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H
X-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H
X-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H
X-29-8	p-Br-Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-30.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-30-1	p-I-Ph	H	H	H	^{i}Pr	H	F	F	OH	H	H
X-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	H	F	F	OH	H	H
X-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	F	F	OH	H	H
X-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	H	F	F	OH	H	H
X-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	F	F	OH	H	H
X-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	F	F	OH	H	H
X-30-8	p-I-Ph	*	H	*	^{i}Pr	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-31-1	CH_3	H	H	H	^{n}Bu	H	F	F	OH	H	H
X-31-2	CH_3	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H
X-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H
X-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H
X-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H
X-31-8	CH_3	*	H	*	^{n}Bu	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-32-1	Et	H	H	H	^{n}Bu	H	F	F	OH	H	H
X-32-2	Et	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H
X-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-32-5	Et	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H
X-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H
X-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H
X-32-8	Et	*	H	*	^{n}Bu	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table X-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-33-1	^{i}Pr	H	H	H	^{n}Bu	H	F	F	OH	H	H
X-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H
X-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H
X-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H
X-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H
X-33-8	^{i}Pr	*	H	*	^{n}Bu	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-34-1	^{t}Bu	H	H	H	^{n}Bu	H	F	F	OH	H	H
X-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H
X-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H
X-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H
X-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H
X-34-8	^{t}Bu	*	H	*	^{n}Bu	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-35-1	Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H
X-35-2	Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H
X-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-35-5	Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H
X-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H
X-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H
X-35-8	Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table X-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-36-1	p-Me-Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H
X-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H
X-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H
X-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H
X-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H
X-36-8	p-Me-Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-37-1	p-F-Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H
X-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H
X-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H
X-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H
X-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H
X-37-8	p-F-Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-38-1	p-Cl-Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H
X-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H
X-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H
X-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H
X-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H
X-38-8	p-Cl-Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table X-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-39-1	p-Br-Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H
X-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H
X-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H
X-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H
X-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H
X-39-8	p-Br-Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-40-1	p-I-Ph	H	H	H	^{n}Bu	H	F	F	OH	H	H
X-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	H	F	F	OH	H	H
X-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	F	F	OH	H	H
X-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	H	F	F	OH	H	H
X-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	F	F	OH	H	H
X-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	F	F	OH	H	H
X-40-8	p-I-Ph	*	H	*	^{n}Bu	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-41-1	CH_3	H	H	H	Bz	H	F	F	OH	H	H
X-41-2	CH_3	H	H	CH_3	Bz	H	F	F	OH	H	H
X-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-41-5	CH_3	H	H	CH_2Ph	Bz	H	F	F	OH	H	H
X-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H
X-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H
X-41-8	CH_3	*	H	*	Bz	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table X-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-42-1	Et	H	H	H	Bz	H	F	F	OH	H	H
X-42-2	Et	H	H	CH_3	Bz	H	F	F	OH	H	H
X-42-3	Et	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-42-5	Et	H	H	CH_2Ph	Bz	H	F	F	OH	H	H
X-42-6	Et	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H
X-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H
X-42-8	Et	*	H	*	Bz	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-43-1	^{i}Pr	H	H	H	Bz	H	F	F	OH	H	H
X-43-2	^{i}Pr	H	H	CH_3	Bz	H	F	F	OH	H	H
X-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-43-5	^{i}Pr	H	H	CH_2Ph	Bz	H	F	F	OH	H	H
X-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H
X-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H
X-43-8	^{i}Pr	*	H	*	Bz	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-44-1	^{t}Bu	H	H	H	Bz	H	F	F	OH	H	H
X-44-2	^{t}Bu	H	H	CH_3	Bz	H	F	F	OH	H	H
X-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-44-5	^{t}Bu	H	H	CH_2Ph	Bz	H	F	F	OH	H	H
X-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H
X-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H
X-44-8	^{t}Bu	*	H	*	Bz	H	F	F	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-45-1	Ph	H	H	H	Bz	H	F	F	OH	H	H
X-45-2	Ph	H	H	CH_3	Bz	H	F	F	OH	H	H
X-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-45-5	Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H
X-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H
X-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H
X-45-8	Ph	*	H	*	Bz	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-46-1	p-Me-Ph	H	H	H	Bz	H	F	F	OH	H	H
X-46-2	p-Me-Ph	H	H	CH_3	Bz	H	F	F	OH	H	H
X-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H
X-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H
X-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H
X-46-8	p-Me-Ph	*	H	*	Bz	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-47-1	p-F-Ph	H	H	H	Bz	H	F	F	OH	H	H
X-47-2	p-F-Ph	H	H	CH_3	Bz	H	F	F	OH	H	H
X-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-47-5	p-F-Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H
X-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H
X-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-47-8	p-F-Ph	*	H	*	Bz	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-48-1	p-Cl-Ph	H	H	H	Bz	H	F	F	OH	H	H
X-48-2	p-Cl-Ph	H	H	CH_3	Bz	H	F	F	OH	H	H
X-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H
X-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H
X-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H
X-48-8	p-Cl-Ph	*	H	*	Bz	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table X-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-49-1	p-Br-Ph	H	H	H	Bz	H	F	F	OH	H	H
X-49-2	p-Br-Ph	H	H	CH_3	Bz	H	F	F	OH	H	H
X-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H
X-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H
X-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H
X-49-8	p-Br-Ph	*	H	*	Bz	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

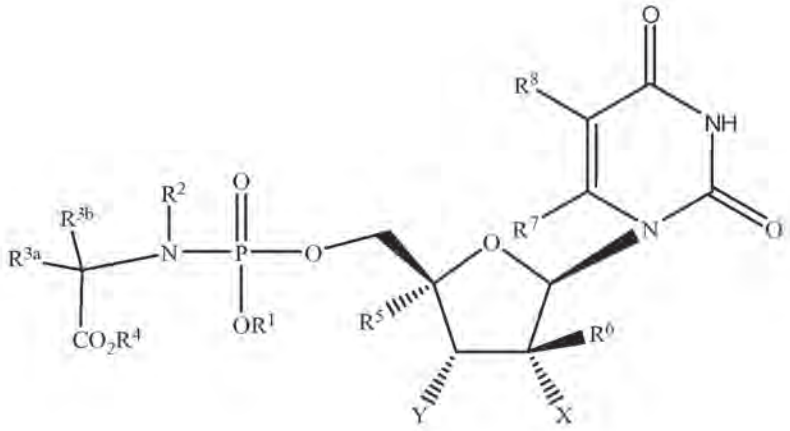
Table X-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-50-1	p-I-Ph	H	H	H	Bz	H	F	F	OH	H	H
X-50-2	p-I-Ph	H	H	CH_3	Bz	H	F	F	OH	H	H
X-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	F	F	OH	H	H
X-50-5	p-I-Ph	H	H	CH_2Ph	Bz	H	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
X-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	H	F	F	OH	H	H
X-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	F	F	OH	H	H
X-50-8	p-I-Ph	*	H	*	Bz	H	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.



XI

Table XI-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-1-1	CH_3	H	H	H	CH_3	H	H	F	OH	H	H
XI-1-2	CH_3	H	H	CH_3	CH_3	H	H	F	OH	H	H
XI-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-1-5	CH_3	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H
XI-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H
XI-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H
XI-1-8	CH_3	*	H	*	CH_3	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-2-1	Et	H	H	H	CH_3	H	H	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-2-2	Et	H	H	CH_3	CH_3	H	H	F	OH	H	H
XI-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-2-5	Et	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H
XI-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H
XI-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H
XI-2-8	Et	*	H	*	CH_3	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-3-1	^{i}Pr	H	H	H	CH_3	H	H	F	OH	H	H
XI-3-2	^{i}Pr	H	H	CH_3	CH_3	H	H	F	OH	H	H
XI-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H
XI-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H
XI-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H
XI-3-8	^{i}Pr	*	H	*	CH_3	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-4-1	^{t}Bu	H	H	H	CH_3	H	H	F	OH	H	H
XI-4-2	^{t}Bu	H	H	CH_3	CH_3	H	H	F	OH	H	H
XI-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H
XI-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H
XI-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H
XI-4-8	^{t}Bu	*	H	*	CH_3	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-5.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-5-1	Ph	H	H	H	CH_3	H	H	F	OH	H	H
XI-5-2	Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H
XI-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-5-5	Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H
XI-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H
XI-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H
XI-5-8	Ph	*	H	*	CH_3	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-6-1	p-Me-Ph	H	H	H	CH_3	H	H	F	OH	H	H
XI-6-2	p-Me-Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H
XI-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H
XI-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H
XI-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H
XI-6-8	p-Me-Ph	*	H	*	CH_3	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-7-1	p-F-Ph	H	H	H	CH_3	H	H	F	OH	H	H
XI-7-2	p-F-Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H
XI-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H
XI-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H
XI-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H
XI-7-20	p-F-Ph	*	H	*	CH_3	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-8-1	p-Cl-Ph	H	H	H	CH_3	H	H	F	OH	H	H
XI-8-2	p-Cl-Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H
XI-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H
XI-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H
XI-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H
XI-8-8	p-Cl-Ph	*	H	*	CH_3	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-9-1	p-Br-Ph	H	H	H	CH_3	H	H	F	OH	H	H
XI-9-2	p-Br-Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H
XI-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H
XI-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H
XI-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H
XI-9-20	p-Br-Ph	*	H	*	CH_3	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-10-1	p-I-Ph	H	H	H	CH_3	H	H	F	OH	H	H
XI-10-2	p-I-Ph	H	H	CH_3	CH_3	H	H	F	OH	H	H
XI-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	H	H	F	OH	H	H
XI-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	H	H	F	OH	H	H
XI-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	H	H	F	OH	H	H
XI-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	H	H	F	OH	H	H
XI-10-8	p-I-Ph	*	H	*	CH_3	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-11-1	CH_3	H	H	H	Et	H	H	F	OH	H	H
XI-11-2	CH_3	H	H	CH_3	Et	H	H	F	OH	H	H
XI-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-11-5	CH_3	H	H	CH_2Ph	Et	H	H	F	OH	H	H
XI-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H
XI-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H
XI-11-8	CH_3	*	H	*	Et	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-12-1	Et	H	H	H	Et	H	H	F	OH	H	H
XI-12-2	Et	H	H	CH_3	Et	H	H	F	OH	H	H
XI-12-3	Et	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-12-5	Et	H	H	CH_2Ph	Et	H	H	F	OH	H	H
XI-12-6	Et	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H
XI-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H
XI-12-8	Et	*	H	*	Et	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-13-1	^{i}Pr	H	H	H	Et	H	H	F	OH	H	H
XI-13-2	^{i}Pr	H	H	CH_3	Et	H	H	F	OH	H	H
XI-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-13-5	^{i}Pr	H	H	CH_2Ph	Et	H	H	F	OH	H	H
XI-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H
XI-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H
XI-13-8	^{i}Pr	*	H	*	Et	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-14-1	^{t}Bu	H	H	H	Et	H	H	F	OH	H	H
XI-14-2	^{t}Bu	H	H	CH_3	Et	H	H	F	OH	H	H
XI-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-14-5	^{t}Bu	H	H	CH_2Ph	Et	H	H	F	OH	H	H
XI-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H
XI-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H
XI-14-8	^{t}Bu	*	H	*	Et	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-15-1	Ph	H	H	H	Et	H	H	F	OH	H	H
XI-15-2	Ph	H	H	CH_3	Et	H	H	F	OH	H	H
XI-15-3	Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-15-5	Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H
XI-15-6	Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H
XI-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H
XI-15-8	Ph	*	H	*	Et	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-16-1	p-Me-Ph	H	H	H	Et	H	H	F	OH	H	H
XI-16-2	p-Me-Ph	H	H	CH_3	Et	H	H	F	OH	H	H
XI-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-16-5	p-Me-Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H
XI-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H
XI-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H
XI-16-8	p-Me-Ph	*	H	*	Et	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-17-1	p-F-Ph	H	H	H	Et	H	H	F	OH	H	H
XI-17-2	p-F-Ph	H	H	CH_3	Et	H	H	F	OH	H	H
XI-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-17-5	p-F-Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H
XI-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H
XI-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H
XI-17-8	p-F-Ph	*	H	*	Et	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-18-1	p-Cl-Ph	H	H	H	Et	H	H	F	OH	H	H
XI-18-2	p-Cl-Ph	H	H	CH_3	Et	H	H	F	OH	H	H
XI-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H
XI-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H
XI-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H
XI-18-8	p-Cl-Ph	*	H	*	Et	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-19-1	p-Br-Ph	H	H	H	Et	H	H	F	OH	H	H
XI-19-2	p-Br-Ph	H	H	CH_3	Et	H	H	F	OH	H	H
XI-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-19-5	p-Br-Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H
XI-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H
XI-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H
XI-19-8	p-Br-Ph	*	H	*	Et	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-20-1	p-I-Ph	H	H	H	Et	H	H	F	OH	H	H
XI-20-2	p-I-Ph	H	H	CH_3	Et	H	H	F	OH	H	H
XI-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	H	H	F	OH	H	H
XI-20-5	p-I-Ph	H	H	CH_2Ph	Et	H	H	F	OH	H	H
XI-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	H	H	F	OH	H	H
XI-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	H	H	F	OH	H	H
XI-20-8	p-I-Ph	*	H	*	Et	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-21-1	CH_3	H	H	H	^{i}Pr	H	H	F	OH	H	H
XI-21-2	CH_3	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H
XI-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H
XI-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H
XI-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H
XI-21-8	CH_3	*	H	*	^{i}Pr	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-22-1	Et	H	H	H	^{i}Pr	H	H	F	OH	H	H
XI-22-2	Et	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H
XI-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-22-5	Et	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H
XI-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H
XI-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H
XI-22-8	Et	*	H	*	^{i}Pr	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-23-1	^{i}Pr	H	H	H	^{i}Pr	H	H	F	OH	H	H
XI-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H
XI-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H
XI-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H
XI-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H
XI-23-8	^{i}Pr	*	H	*	^{i}Pr	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-24-1	^{t}Bu	H	H	H	^{i}Pr	H	H	F	OH	H	H
XI-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H
XI-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H
XI-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H
XI-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H
XI-24-8	^{t}Bu	*	H	*	^{i}Pr	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-25-1	Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H
XI-25-2	Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H
XI-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-25-5	Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H
XI-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H
XI-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H
XI-25-8	Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-26-1	p-Me-Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H
XI-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H
XI-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H
XI-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H
XI-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H
XI-26-8	p-Me-Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-27-1	p-F-Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H
XI-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H
XI-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H
XI-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H
XI-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H
XI-27-8	p-F-Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-28-1	p-Cl-Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H
XI-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H
XI-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H
XI-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H
XI-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H
XI-28-8	p-Cl-Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-29-1	p-Br-Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H
XI-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H
XI-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H
XI-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H
XI-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H
XI-29-8	p-Br-Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-30-1	p-I-Ph	H	H	H	^{i}Pr	H	H	F	OH	H	H
XI-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	H	H	F	OH	H	H
XI-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	H	H	F	OH	H	H
XI-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	H	H	F	OH	H	H
XI-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	H	H	F	OH	H	H
XI-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	H	H	F	OH	H	H
XI-30-8	p-I-Ph	*	H	*	^{i}Pr	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-31-1	CH_3	H	H	H	^{n}Bu	H	H	F	OH	H	H
XI-31-2	CH_3	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H
XI-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H
XI-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H
XI-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H
XI-31-8	CH_3	*	H	*	^{n}Bu	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-32-1	Et	H	H	H	^{n}Bu	H	H	F	OH	H	H
XI-32-2	Et	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H
XI-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-32-5	Et	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H
XI-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H
XI-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H
XI-32-8	Et	*	H	*	^{n}Bu	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-33-1	^{i}Pr	H	H	H	^{n}Bu	H	H	F	OH	H	H
XI-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H
XI-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H
XI-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H
XI-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H
XI-33-8	^{i}Pr	*	H	*	^{n}Bu	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-34-1	^{t}Bu	H	H	H	^{n}Bu	H	H	F	OH	H	H
XI-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H
XI-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H
XI-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H
XI-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H
XI-34-8	^{t}Bu	*	H	*	^{n}Bu	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-35-1	Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H
XI-35-2	Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H
XI-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-35-5	Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H
XI-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H
XI-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H
XI-35-8	Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-36-1	p-Me-Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H
XI-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H
XI-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H
XI-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H
XI-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H
XI-36-8	p-Me-Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-37-1	p-F-Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H
XI-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H
XI-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H
XI-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H
XI-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H
XI-37-8	p-F-Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-38-1	p-Cl-Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H
XI-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H
XI-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H
XI-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H
XI-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H
XI-38-8	p-Cl-Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-39-1	p-Br-Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H
XI-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H
XI-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H
XI-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H
XI-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H
XI-39-8	p-Br-Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-40-1	p-I-Ph	H	H	H	^{n}Bu	H	H	F	OH	H	H
XI-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	H	H	F	OH	H	H
XI-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	H	H	F	OH	H	H
XI-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	H	H	F	OH	H	H
XI-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	H	H	F	OH	H	H
XI-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	H	H	F	OH	H	H
XI-40-8	p-I-Ph	*	H	*	^{n}Bu	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XI-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-41-1	CH_3	H	H	H	Bz	H	H	F	OH	H	H
XI-41-2	CH_3	H	H	CH_3	Bz	H	H	F	OH	H	H
XI-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-41-5	CH_3	H	H	CH_2Ph	Bz	H	H	F	OH	H	H
XI-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H
XI-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H
XI-41-8	CH_3	*	H	*	Bz	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-42-1	Et	H	H	H	Bz	H	H	F	OH	H	H
XI-42-2	Et	H	H	CH_3	Bz	H	H	F	OH	H	H
XI-42-3	Et	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-42-5	Et	H	H	CH_2Ph	Bz	H	H	F	OH	H	H
XI-42-6	Et	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H
XI-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H
XI-42-8	Et	*	H	*	Bz	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-43-1	^{i}Pr	H	H	H	Bz	H	H	F	OH	H	H
XI-43-2	^{i}Pr	H	H	CH_3	Bz	H	H	F	OH	H	H
XI-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-43-5	^{i}Pr	H	H	CH_2Ph	Bz	H	H	F	OH	H	H
XI-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H
XI-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H
XI-43-8	^{i}Pr	*	H	*	Bz	H	H	F	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-44-1	^{t}Bu	H	H	H	Bz	H	H	F	OH	H	H
XI-44-2	^{t}Bu	H	H	CH_3	Bz	H	H	F	OH	H	H
XI-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-44-5	^{t}Bu	H	H	CH_2Ph	Bz	H	H	F	OH	H	H
XI-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H
XI-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H
XI-44-8	^{t}Bu	*	H	*	Bz	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-45-1	Ph	H	H	H	Bz	H	H	F	OH	H	H
XI-45-2	Ph	H	H	CH_3	Bz	H	H	F	OH	H	H
XI-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-45-5	Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H
XI-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H
XI-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H
XI-45-8	Ph	*	H	*	Bz	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-46-1	p-Me-Ph	H	H	H	Bz	H	H	F	OH	H	H
XI-46-2	p-Me-Ph	H	H	CH_3	Bz	H	H	F	OH	H	H
XI-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H
XI-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H
XI-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-46-8	p-Me-Ph	*	H	*	Bz	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-47-1	p-F-Ph	H	H	H	Bz	H	H	F	OH	H	H
XI-47-2	p-F-Ph	H	H	CH_3	Bz	H	H	F	OH	H	H
XI-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-47-5	p-F-Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H
XI-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H
XI-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H
XI-47-8	p-F-Ph	*	H	*	Bz	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-48-1	p-Cl-Ph	H	H	H	Bz	H	H	F	OH	H	H
XI-48-2	p-Cl-Ph	H	H	CH_3	Bz	H	H	F	OH	H	H
XI-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H
XI-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H
XI-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H
XI-48-8	p-Cl-Ph	*	H	*	Bz	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-49-1	p-Br-Ph	H	H	H	Bz	H	H	F	OH	H	H
XI-49-2	p-Br-Ph	H	H	CH_3	Bz	H	H	F	OH	H	H
XI-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H
XI-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H
XI-49-8	p-Br-Ph	*	H	*	Bz	H	H	F	OH	H	H

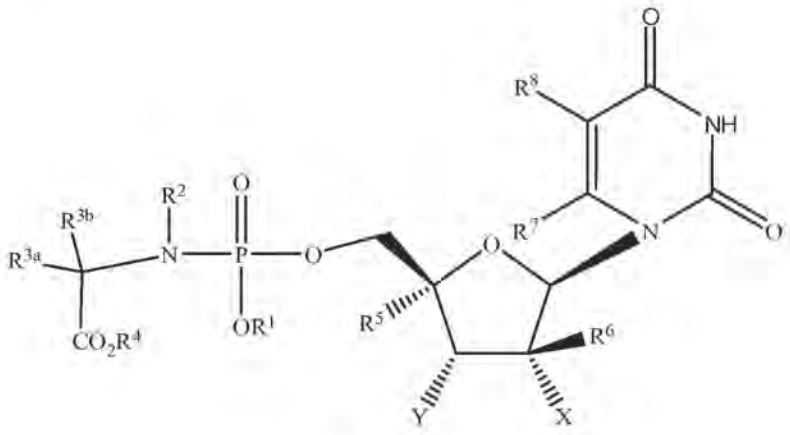
*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XI-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XI-50-1	p-I-Ph	H	H	H	Bz	H	H	F	OH	H	H
XI-50-2	p-I-Ph	H	H	CH_3	Bz	H	H	F	OH	H	H
XI-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	H	H	F	OH	H	H
XI-50-5	p-I-Ph	H	H	CH_2Ph	Bz	H	H	F	OH	H	H
XI-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	H	H	F	OH	H	H
XI-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	H	H	F	OH	H	H
XI-50-8	p-I-Ph	*	H	*	Bz	H	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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XII

Table XII-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-1-1	CH_3	H	H	H	CH_3	N_3	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-1-2	CH_3	H	H	CH_3	CH_3	N_3	F	F	OH	H	H
XII-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-1-5	CH_3	H	H	CH_2Ph	CH_3	N_3	F	F	OH	H	H
XII-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	N_3	F	F	OH	H	H
XII-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	F	OH	H	H
XII-1-8	CH_3	*	H	*	CH_3	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-2-1	Et	H	H	H	CH_3	N_3	F	F	OH	H	H
XII-2-2	Et	H	H	CH_3	CH_3	N_3	F	F	OH	H	H
XII-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-2-5	Et	H	H	CH_2Ph	CH_3	N_3	F	F	OH	H	H
XII-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	N_3	F	F	OH	H	H
XII-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	F	OH	H	H
XII-2-8	Et	*	H	*	CH_3	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-3-1	^{i}Pr	H	H	H	CH_3	N_3	F	F	OH	H	H
XII-3-2	^{i}Pr	H	H	CH_3	CH_3	N_3	F	F	OH	H	H
XII-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	N_3	F	F	OH	H	H
XII-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	N_3	F	F	OH	H	H
XII-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	F	OH	H	H
XII-3-8	^{i}Pr	*	H	*	CH_3	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-4.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-4-1	^{t}Bu	H	H	H	CH_3	N_3	F	F	OH	H	H
XII-4-2	^{t}Bu	H	H	CH_3	CH_3	N_3	F	F	OH	H	H
XII-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	N_3	F	F	OH	H	H
XII-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	N_3	F	F	OH	H	H
XII-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	F	OH	H	H
XII-4-8	^{t}Bu	*	H	*	CH_3	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-5-1	Ph	H	H	H	CH_3	N_3	F	F	OH	H	H
XII-5-2	Ph	H	H	CH_3	CH_3	N_3	F	F	OH	H	H
XII-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-5-5	Ph	H	H	CH_2Ph	CH_3	N_3	F	F	OH	H	H
XII-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	F	OH	H	H
XII-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	F	OH	H	H
XII-5-8	Ph	*	H	*	CH_3	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-6-1	p-Me-Ph	H	H	H	CH_3	N_3	F	F	OH	H	H
XII-6-2	p-Me-Ph	H	H	CH_3	CH_3	N_3	F	F	OH	H	H
XII-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	N_3	F	F	OH	H	H
XII-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	F	OH	H	H
XII-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	F	OH	H	H
XII-6-8	p-Me-Ph	*	H	*	CH_3	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-7-1	p-F-Ph	H	H	H	CH_3	N_3	F	F	OH	H	H
XII-7-2	p-F-Ph	H	H	CH_3	CH_3	N_3	F	F	OH	H	H
XII-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	N_3	F	F	OH	H	H
XII-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	F	OH	H	H
XII-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	F	OH	H	H
XII-7-20	p-F-Ph	*	H	*	CH_3	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-8-1	p-Cl-Ph	H	H	H	CH_3	N_3	F	F	OH	H	H
XII-8-2	p-Cl-Ph	H	H	CH_3	CH_3	N_3	F	F	OH	H	H
XII-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	N_3	F	F	OH	H	H
XII-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	F	OH	H	H
XII-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	F	OH	H	H
XII-8-8	p-Cl-Ph	*	H	*	CH_3	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-9-1	p-Br-Ph	H	H	H	CH_3	N_3	F	F	OH	H	H
XII-9-2	p-Br-Ph	H	H	CH_3	CH_3	N_3	F	F	OH	H	H
XII-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	N_3	F	F	OH	H	H
XII-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	F	OH	H	H
XII-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	F	OH	H	H
XII-9-20	p-Br-Ph	*	H	*	CH_3	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-10-1	p-I-Ph	H	H	H	CH_3	N_3	F	F	OH	H	H
XII-10-2	p-I-Ph	H	H	CH_3	CH_3	N_3	F	F	OH	H	H
XII-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	F	OH	H	H
XII-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	N_3	F	F	OH	H	H
XII-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	F	OH	H	H
XII-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	F	OH	H	H
XII-10-8	p-I-Ph	*	H	*	CH_3	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-11-1	CH_3	H	H	H	Et	N_3	F	F	OH	H	H
XII-11-2	CH_3	H	H	CH_3	Et	N_3	F	F	OH	H	H
XII-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-11-5	CH_3	H	H	CH_2Ph	Et	N_3	F	F	OH	H	H
XII-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	N_3	F	F	OH	H	H
XII-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	F	OH	H	H
XII-11-8	CH_3	*	H	*	Et	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-12-1	Et	H	H	H	Et	N_3	F	F	OH	H	H
XII-12-2	Et	H	H	CH_3	Et	N_3	F	F	OH	H	H
XII-12-3	Et	H	H	$CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-12-5	Et	H	H	CH_2Ph	Et	N_3	F	F	OH	H	H
XII-12-6	Et	H	H	CH_2-indol-3-yl	Et	N_3	F	F	OH	H	H
XII-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	F	OH	H	H
XII-12-8	Et	*	H	*	Et	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-13-1	^{i}Pr	H	H	H	Et	N_3	F	F	OH	H	H
XII-13-2	^{i}Pr	H	H	CH_3	Et	N_3	F	F	OH	H	H
XII-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-13-5	^{i}Pr	H	H	CH_2Ph	Et	N_3	F	F	OH	H	H
XII-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	N_3	F	F	OH	H	H
XII-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	F	OH	H	H
XII-13-8	^{i}Pr	*	H	*	Et	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-14-1	^{t}Bu	H	H	H	Et	N_3	F	F	OH	H	H
XII-14-2	^{t}Bu	H	H	CH_3	Et	N_3	F	F	OH	H	H
XII-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-14-5	^{t}Bu	H	H	CH_2Ph	Et	N_3	F	F	OH	H	H
XII-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	N_3	F	F	OH	H	H
XII-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	F	OH	H	H
XII-14-8	^{t}Bu	*	H	*	Et	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-15-1	Ph	H	H	H	Et	N_3	F	F	OH	H	H
XII-15-2	Ph	H	H	CH_3	Et	N_3	F	F	OH	H	H
XII-15-3	Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-15-5	Ph	H	H	CH_2Ph	Et	N_3	F	F	OH	H	H
XII-15-6	Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	F	OH	H	H
XII-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	F	OH	H	H
XII-15-8	Ph	*	H	*	Et	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-16-1	p-Me-Ph	H	H	H	Et	N_3	F	F	OH	H	H
XII-16-2	p-Me-Ph	H	H	CH_3	Et	N_3	F	F	OH	H	H
XII-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-16-5	p-Me-Ph	H	H	CH_2Ph	Et	N_3	F	F	OH	H	H
XII-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	F	OH	H	H
XII-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	F	OH	H	H
XII-16-8	p-Me-Ph	*	H	*	Et	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-17-1	p-F-Ph	H	H	H	Et	N_3	F	F	OH	H	H
XII-17-2	p-F-Ph	H	H	CH_3	Et	N_3	F	F	OH	H	H
XII-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-17-5	p-F-Ph	H	H	CH_2Ph	Et	N_3	F	F	OH	H	H
XII-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	F	OH	H	H
XII-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	F	OH	H	H
XII-17-8	p-F-Ph	*	H	*	Et	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-18-1	p-Cl-Ph	H	H	H	Et	N_3	F	F	OH	H	H
XII-18-2	p-Cl-Ph	H	H	CH_3	Et	N_3	F	F	OH	H	H
XII-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	N_3	F	F	OH	H	H
XII-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	F	OH	H	H
XII-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	F	OH	H	H
XII-18-8	p-Cl-Ph	*	H	*	Et	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-19-1	p-Br-Ph	H	H	H	Et	N_3	F	F	OH	H	H
XII-19-2	p-Br-Ph	H	H	CH_3	Et	N_3	F	F	OH	H	H
XII-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	F	OH	H	H
XII-19-5	p-Br-Ph	H	H	CH_2Ph	Et	N_3	F	F	OH	H	H
XII-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	F	OH	H	H
XII-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	F	OH	H	H
XII-19-8	p-Br-Ph	*	H	*	Et	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7
XII-20-1	p-I-Ph	H	H	H	Et	N_3	F	F	OH	H
XII-20-2	p-I-Ph	H	H	CH_3	Et	N_3	F	F	OH	H
XII-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	F	OH	H
XII-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	F	OH	H
XII-20-5	p-I-Ph	H	H	CH_2Ph	Et	N_3	F	F	OH	H
XII-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	F	OH	H
XII-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	F	OH	H
XII-20-8	p-I-Ph	*	H	*	Et	N_3	F	F	OH	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-21-1	CH_3	H	H	H	^{i}Pr	N_3	F	F	OH	H	H
XII-21-2	CH_3	H	H	CH_3	^{i}Pr	N_3	F	F	OH	H	H
XII-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	N_3	F	F	OH	H	H
XII-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	F	OH	H	H
XII-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	F	OH	H	H
XII-21-8	CH_3	*	H	*	^{i}Pr	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-22-1	Et	H	H	H	^{i}Pr	N_3	F	F	OH	H	H
XII-22-2	Et	H	H	CH_3	^{i}Pr	N_3	F	F	OH	H	H
XII-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-22-5	Et	H	H	CH_2Ph	^{i}Pr	N_3	F	F	OH	H	H
XII-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	F	OH	H	H
XII-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	F	OH	H	H
XII-22-8	Et	*	H	*	^{i}Pr	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-23-1	^{i}Pr	H	H	H	^{i}Pr	N_3	F	F	OH	H	H
XII-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	N_3	F	F	OH	H	H
XII-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	N_3	F	F	OH	H	H
XII-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	F	OH	H	H
XII-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	F	OH	H	H
XII-23-8	^{i}Pr	*	H	*	^{i}Pr	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-24-1	^{t}Bu	H	H	H	^{i}Pr	N_3	F	F	OH	H	H
XII-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	N_3	F	F	OH	H	H
XII-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	N_3	F	F	OH	H	H
XII-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	F	OH	H	H
XII-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	F	OH	H	H
XII-24-8	^{t}Bu	*	H	*	^{i}Pr	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-25-1	Ph	H	H	H	^{i}Pr	N_3	F	F	OH	H	H
XII-25-2	Ph	H	H	CH_3	^{i}Pr	N_3	F	F	OH	H	H
XII-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-25-5	Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	F	OH	H	H
XII-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	F	OH	H	H
XII-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	F	OH	H	H
XII-25-8	Ph	*	H	*	^{i}Pr	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-26-1	p-Me-Ph	H	H	H	^{i}Pr	N_3	F	F	OH	H	H
XII-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	N_3	F	F	OH	H	H
XII-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	F	OH	H	H
XII-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	F	OH	H	H
XII-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	F	OH	H	H
XII-26-8	p-Me-Ph	*	H	*	^{i}Pr	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-27-1	p-F-Ph	H	H	H	^{i}Pr	N_3	F	F	OH	H	H
XII-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	N_3	F	F	OH	H	H
XII-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	F	OH	H	H
XII-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	F	OH	H	H
XII-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	F	OH	H	H
XII-27-8	p-F-Ph	*	H	*	^{i}Pr	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-28-1	p-Cl-Ph	H	H	H	^{i}Pr	N_3	F	F	OH	H	H
XII-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	N_3	F	F	OH	H	H
XII-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	F	OH	H	H
XII-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	F	OH	H	H
XII-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	F	OH	H	H
XII-28-8	p-Cl-Ph	*	H	*	^{i}Pr	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-29-1	p-Br-Ph	H	H	H	^{i}Pr	N_3	F	F	OH	H	H
XII-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	N_3	F	F	OH	H	H
XII-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	F	OH	H	H
XII-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	F	OH	H	H
XII-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	F	OH	H	H
XII-29-8	p-Br-Ph	*	H	*	^{i}Pr	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-30-1	p-I-Ph	H	H	H	^{i}Pr	N_3	F	F	OH	H	H
XII-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	N_3	F	F	OH	H	H
XII-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	F	OH	H	H
XII-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	F	OH	H	H
XII-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	F	OH	H	H
XII-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	F	OH	H	H
XII-30-8	p-I-Ph	*	H	*	^{i}Pr	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-31-1	CH_3	H	H	H	^{n}Bu	N_3	F	F	OH	H	H
XII-31-2	CH_3	H	H	CH_3	^{n}Bu	N_3	F	F	OH	H	H
XII-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	N_3	F	F	OH	H	H
XII-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	F	OH	H	H
XII-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	F	OH	H	H
XII-31-8	CH_3	*	H	*	^{n}Bu	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-32-1	Et	H	H	H	^{n}Bu	N_3	F	F	OH	H	H
XII-32-2	Et	H	H	CH_3	^{n}Bu	N_3	F	F	OH	H	H
XII-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-32-5	Et	H	H	CH_2Ph	^{n}Bu	N_3	F	F	OH	H	H
XII-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	F	OH	H	H
XII-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	F	OH	H	H
XII-32-8	Et	*	H	*	^{n}Bu	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-33-1	^{i}Pr	H	H	H	^{n}Bu	N_3	F	F	OH	H	H
XII-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	N_3	F	F	OH	H	H
XII-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	N_3	F	F	OH	H	H
XII-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	F	OH	H	H
XII-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	F	OH	H	H
XII-33-8	^{i}Pr	*	H	*	^{n}Bu	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-34-1	^{t}Bu	H	H	H	^{n}Bu	N_3	F	F	OH	H	H
XII-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	N_3	F	F	OH	H	H
XII-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	N_3	F	F	OH	H	H
XII-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	F	OH	H	H
XII-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	F	OH	H	H
XII-34-8	^{t}Bu	*	H	*	^{n}Bu	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-35-1	Ph	H	H	H	^{n}Bu	N_3	F	F	OH	H	H
XII-35-2	Ph	H	H	CH_3	^{n}Bu	N_3	F	F	OH	H	H
XII-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-35-5	Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	F	OH	H	H
XII-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	F	OH	H	H
XII-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	F	OH	H	H
XII-35-8	Ph	*	H	*	^{n}Bu	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-36-1	p-Me-Ph	H	H	H	^{n}Bu	N_3	F	F	OH	H	H
XII-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	N_3	F	F	OH	H	H
XII-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	F	OH	H	H
XII-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	F	OH	H	H
XII-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	F	OH	H	H
XII-36-8	p-Me-Ph	*	H	*	^{n}Bu	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-37-1	p-F-Ph	H	H	H	^{n}Bu	N_3	F	F	OH	H	H
XII-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	N_3	F	F	OH	H	H
XII-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	F	OH	H	H
XII-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	F	OH	H	H
XII-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	F	OH	H	H
XII-37-8	p-F-Ph	*	H	*	^{n}Bu	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-38-1	p-Cl-Ph	H	H	H	^{n}Bu	N_3	F	F	OH	H	H
XII-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	N_3	F	F	OH	H	H
XII-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	F	OH	H	H
XII-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	F	OH	H	H
XII-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	F	OH	H	H
XII-38-8	p-Cl-Ph	*	H	*	^{n}Bu	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-39-1	p-Br-Ph	H	H	H	^{n}Bu	N_3	F	F	OH	H	H
XII-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	N_3	F	F	OH	H	H
XII-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	F	OH	H	H
XII-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	F	OH	H	H
XII-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	F	OH	H	H
XII-39-8	p-Br-Ph	*	H	*	^{n}Bu	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-40-1	p-I-Ph	H	H	H	^{n}Bu	N_3	F	F	OH	H	H
XII-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	N_3	F	F	OH	H	H
XII-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	F	OH	H	H
XII-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	F	OH	H	H
XII-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	F	OH	H	H
XII-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	F	OH	H	H
XII-40-8	p-I-Ph	*	H	*	^{n}Bu	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-41-1	CH_3	H	H	H	Bz	N_3	F	F	OH	H	H
XII-41-2	CH_3	H	H	CH_3	Bz	N_3	F	F	OH	H	H
XII-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-41-5	CH_3	H	H	CH_2Ph	Bz	N_3	F	F	OH	H	H
XII-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	N_3	F	F	OH	H	H
XII-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	F	OH	H	H
XII-41-8	CH_3	*	H	*	Bz	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XII-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-42-1	Et	H	H	H	Bz	N_3	F	F	OH	H	H
XII-42-2	Et	H	H	CH_3	Bz	N_3	F	F	OH	H	H
XII-42-3	Et	H	H	$CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-42-5	Et	H	H	CH_2Ph	Bz	N_3	F	F	OH	H	H
XII-42-6	Et	H	H	CH_2-indol-3-yl	Bz	N_3	F	F	OH	H	H
XII-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	F	OH	H	H
XII-42-8	Et	*	H	*	Bz	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-43-1	^{i}Pr	H	H	H	Bz	N_3	F	F	OH	H	H
XII-43-2	^{i}Pr	H	H	CH_3	Bz	N_3	F	F	OH	H	H
XII-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-43-5	^{i}Pr	H	H	CH_2Ph	Bz	N_3	F	F	OH	H	H
XII-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	N_3	F	F	OH	H	H
XII-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	F	OH	H	H
XII-43-8	^{i}Pr	*	H	*	Bz	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-44-1	^{t}Bu	H	H	H	Bz	N_3	F	F	OH	H	H
XII-44-2	^{t}Bu	H	H	CH_3	Bz	N_3	F	F	OH	H	H
XII-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-44-5	^{t}Bu	H	H	CH_2Ph	Bz	N_3	F	F	OH	H	H
XII-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	N_3	F	F	OH	H	H
XII-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	F	OH	H	H
XII-44-8	^{t}Bu	*	H	*	Bz	N_3	F	F	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-45-1	Ph	H	H	H	Bz	N_3	F	F	OH	H	H
XII-45-2	Ph	H	H	CH_3	Bz	N_3	F	F	OH	H	H
XII-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-45-5	Ph	H	H	CH_2Ph	Bz	N_3	F	F	OH	H	H
XII-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	F	OH	H	H
XII-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	F	OH	H	H
XII-45-8	Ph	*	H	*	Bz	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-46-1	p-Me-Ph	H	H	H	Bz	N_3	F	F	OH	H	H
XII-46-2	p-Me-Ph	H	H	CH_3	Bz	N_3	F	F	OH	H	H
XII-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	N_3	F	F	OH	H	H
XII-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	F	OH	H	H
XII-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	F	OH	H	H
XII-46-8	p-Me-Ph	*	H	*	Bz	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-47-1	p-F-Ph	H	H	H	Bz	N_3	F	F	OH	H	H
XII-47-2	p-F-Ph	H	H	CH_3	Bz	N_3	F	F	OH	H	H
XII-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-47-5	p-F-Ph	H	H	CH_2Ph	Bz	N_3	F	F	OH	H	H
XII-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	F	OH	H	H
XII-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-47-8	p-F-Ph	*	H	*	Bz	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-48-1	p-Cl-Ph	H	H	H	Bz	N_3	F	F	OH	H	H
XII-48-2	p-Cl-Ph	H	H	CH_3	Bz	N_3	F	F	OH	H	H
XII-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	N_3	F	F	OH	H	H
XII-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	F	OH	H	H
XII-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	F	OH	H	H
XII-48-8	p-Cl-Ph	*	H	*	Bz	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XII-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-49-1	p-Br-Ph	H	H	H	Bz	N_3	F	F	OH	H	H
XII-49-2	p-Br-Ph	H	H	CH_3	Bz	N_3	F	F	OH	H	H
XII-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	N_3	F	F	OH	H	H
XII-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	F	OH	H	H
XII-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	F	OH	H	H
XII-49-8	p-Br-Ph	*	H	*	Bz	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

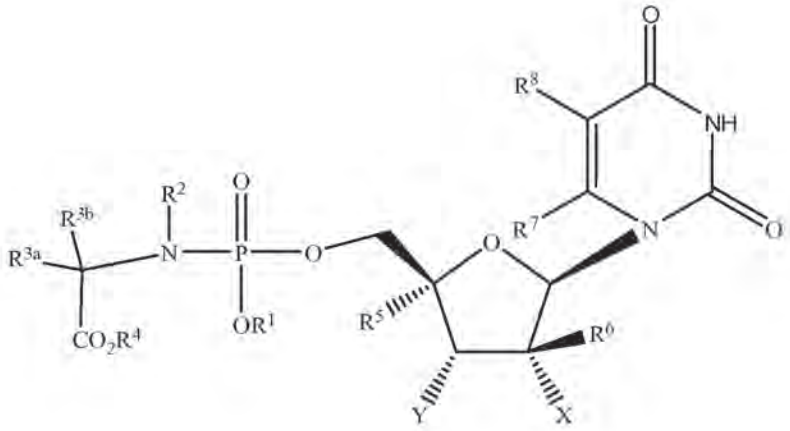
Table XII-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-50-1	p-I-Ph	H	H	H	Bz	N_3	F	F	OH	H	H
XII-50-2	p-I-Ph	H	H	CH_3	Bz	N_3	F	F	OH	H	H
XII-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	F	OH	H	H
XII-50-5	p-I-Ph	H	H	CH_2Ph	Bz	N_3	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XII-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	F	OH	H	H
XII-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	F	OH	H	H
XII-50-8	p-I-Ph	*	H	*	Bz	N_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.



XIII

Table XIII-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-1-1	CH_3	H	H	H	CH_3	N_3	H	F	OH	H	H
XIII-1-2	CH_3	H	H	CH_3	CH_3	N_3	H	F	OH	H	H
XIII-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-1-5	CH_3	H	H	CH_2Ph	CH_3	N_3	H	F	OH	H	H
XIII-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	N_3	H	F	OH	H	H
XIII-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	H	F	OH	H	H
XIII-1-8	CH_3	*	H	*	CH_3	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-2-1	Et	H	H	H	CH_3	N_3	H	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-2-2	Et	H	H	CH_3	CH_3	N_3	H	F	OH	H	H
XIII-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-2-5	Et	H	H	CH_2Ph	CH_3	N_3	H	F	OH	H	H
XIII-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	N_3	H	F	OH	H	H
XIII-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	H	F	OH	H	H
XIII-2-8	Et	*	H	*	CH_3	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-3-1	^{i}Pr	H	H	H	CH_3	N_3	H	F	OH	H	H
XIII-3-2	^{i}Pr	H	H	CH_3	CH_3	N_3	H	F	OH	H	H
XIII-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	N_3	H	F	OH	H	H
XIII-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	N_3	H	F	OH	H	H
XIII-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	H	F	OH	H	H
XIII-3-8	^{i}Pr	*	H	*	CH_3	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-4-1	^{t}Bu	H	H	H	CH_3	N_3	H	F	OH	H	H
XIII-4-2	^{t}Bu	H	H	CH_3	CH_3	N_3	H	F	OH	H	H
XIII-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	N_3	H	F	OH	H	H
XIII-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	N_3	H	F	OH	H	H
XIII-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	H	F	OH	H	H
XIII-4-8	^{t}Bu	*	H	*	CH_3	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-5.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-5-1	Ph	H	H	H	CH_3	N_3	H	F	OH	H	H
XIII-5-2	Ph	H	H	CH_3	CH_3	N_3	H	F	OH	H	H
XIII-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-5-5	Ph	H	H	CH_2Ph	CH_3	N_3	H	F	OH	H	H
XIII-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	H	F	OH	H	H
XIII-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	H	F	OH	H	H
XIII-5-8	Ph	*	H	*	CH_3	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-6-1	p-Me-Ph	H	H	H	CH_3	N_3	H	F	OH	H	H
XIII-6-2	p-Me-Ph	H	H	CH_3	CH_3	N_3	H	F	OH	H	H
XIII-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	N_3	H	F	OH	H	H
XIII-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	H	F	OH	H	H
XIII-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	H	F	OH	H	H
XIII-6-8	p-Me-Ph	*	H	*	CH_3	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-7-1	p-F-Ph	H	H	H	CH_3	N_3	H	F	OH	H	H
XIII-7-2	p-F-Ph	H	H	CH_3	CH_3	N_3	H	F	OH	H	H
XIII-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	N_3	H	F	OH	H	H
XIII-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	H	F	OH	H	H
XIII-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	H	F	OH	H	H
XIII-7-20	p-F-Ph	*	H	*	CH_3	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-8-1	p-Cl-Ph	H	H	H	CH_3	N_3	H	F	OH	H	H
XIII-8-2	p-Cl-Ph	H	H	CH_3	CH_3	N_3	H	F	OH	H	H
XIII-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	N_3	H	F	OH	H	H
XIII-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	H	F	OH	H	H
XIII-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	H	F	OH	H	H
XIII-8-8	p-Cl-Ph	*	H	*	CH_3	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-9-1	p-Br-Ph	H	H	H	CH_3	N_3	H	F	OH	H	H
XIII-9-2	p-Br-Ph	H	H	CH_3	CH_3	N_3	H	F	OH	H	H
XIII-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	N_3	H	F	OH	H	H
XIII-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	H	F	OH	H	H
XIII-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	H	F	OH	H	H
XIII-9-20	p-Br-Ph	*	H	*	CH_3	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-10-1	p-I-Ph	H	H	H	CH_3	N_3	H	F	OH	H	H
XIII-10-2	p-I-Ph	H	H	CH_3	CH_3	N_3	H	F	OH	H	H
XIII-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	H	F	OH	H	H
XIII-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	N_3	H	F	OH	H	H
XIII-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	H	F	OH	H	H
XIII-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	H	F	OH	H	H
XIII-10-8	p-I-Ph	*	H	*	CH_3	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-11-1	CH_3	H	H	H	Et	N_3	H	F	OH	H	H
XIII-11-2	CH_3	H	H	CH_3	Et	N_3	H	F	OH	H	H
XIII-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-11-5	CH_3	H	H	CH_2Ph	Et	N_3	H	F	OH	H	H
XIII-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	N_3	H	F	OH	H	H
XIII-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	N_3	H	F	OH	H	H
XIII-11-8	CH_3	*	H	*	Et	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-12-1	Et	H	H	H	Et	N_3	H	F	OH	H	H
XIII-12-2	Et	H	H	CH_3	Et	N_3	H	F	OH	H	H
XIII-12-3	Et	H	H	$CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-12-5	Et	H	H	CH_2Ph	Et	N_3	H	F	OH	H	H
XIII-12-6	Et	H	H	CH_2-indol-3-yl	Et	N_3	H	F	OH	H	H
XIII-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	N_3	H	F	OH	H	H
XIII-12-8	Et	*	H	*	Et	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-13-1	^{i}Pr	H	H	H	Et	N_3	H	F	OH	H	H
XIII-13-2	^{i}Pr	H	H	CH_3	Et	N_3	H	F	OH	H	H
XIII-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-13-5	^{i}Pr	H	H	CH_2Ph	Et	N_3	H	F	OH	H	H
XIII-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	N_3	H	F	OH	H	H
XIII-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	N_3	H	F	OH	H	H
XIII-13-8	^{i}Pr	*	H	*	Et	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-14-1	^{t}Bu	H	H	H	Et	N_3	H	F	OH	H	H
XIII-14-2	^{t}Bu	H	H	CH_3	Et	N_3	H	F	OH	H	H
XIII-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-14-5	^{t}Bu	H	H	CH_2Ph	Et	N_3	H	F	OH	H	H
XIII-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	N_3	H	F	OH	H	H
XIII-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	N_3	H	F	OH	H	H
XIII-14-8	^{t}Bu	*	H	*	Et	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-15-1	Ph	H	H	H	Et	N_3	H	F	OH	H	H
XIII-15-2	Ph	H	H	CH_3	Et	N_3	H	F	OH	H	H
XIII-15-3	Ph	H	H	$CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-15-5	Ph	H	H	CH_2Ph	Et	N_3	H	F	OH	H	H
XIII-15-6	Ph	H	H	CH_2-indol-3-yl	Et	N_3	H	F	OH	H	H
XIII-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	H	F	OH	H	H
XIII-15-8	Ph	*	H	*	Et	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-16-1	p-Me-Ph	H	H	H	Et	N_3	H	F	OH	H	H
XIII-16-2	p-Me-Ph	H	H	CH_3	Et	N_3	H	F	OH	H	H
XIII-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-16-5	p-Me-Ph	H	H	CH_2Ph	Et	N_3	H	F	OH	H	H
XIII-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	N_3	H	F	OH	H	H
XIII-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	H	F	OH	H	H
XIII-16-8	p-Me-Ph	*	H	*	Et	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-17-1	p-F-Ph	H	H	H	Et	N_3	H	F	OH	H	H
XIII-17-2	p-F-Ph	H	H	CH_3	Et	N_3	H	F	OH	H	H
XIII-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-17-5	p-F-Ph	H	H	CH_2Ph	Et	N_3	H	F	OH	H	H
XIII-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	N_3	H	F	OH	H	H
XIII-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	H	F	OH	H	H
XIII-17-8	p-F-Ph	*	H	*	Et	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-18-1	p-Cl-Ph	H	H	H	Et	N_3	H	F	OH	H	H
XIII-18-2	p-Cl-Ph	H	H	CH_3	Et	N_3	H	F	OH	H	H
XIII-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	N_3	H	F	OH	H	H
XIII-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	N_3	H	F	OH	H	H
XIII-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	H	F	OH	H	H
XIII-18-8	p-Cl-Ph	*	H	*	Et	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-19-1	p-Br-Ph	H	H	H	Et	N_3	H	F	OH	H	H
XIII-19-2	p-Br-Ph	H	H	CH_3	Et	N_3	H	F	OH	H	H
XIII-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-19-5	p-Br-Ph	H	H	CH_2Ph	Et	N_3	H	F	OH	H	H
XIII-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	N_3	H	F	OH	H	H
XIII-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	H	F	OH	H	H
XIII-19-8	p-Br-Ph	*	H	*	Et	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-20-1	p-I-Ph	H	H	H	Et	N_3	H	F	OH	H	H
XIII-20-2	p-I-Ph	H	H	CH_3	Et	N_3	H	F	OH	H	H
XIII-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	H	F	OH	H	H
XIII-20-5	p-I-Ph	H	H	CH_2Ph	Et	N_3	H	F	OH	H	H
XIII-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	N_3	H	F	OH	H	H
XIII-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	H	F	OH	H	H
XIII-20-8	p-I-Ph	*	H	*	Et	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-21-1	CH_3	H	H	H	^{i}Pr	N_3	H	F	OH	H	H
XIII-21-2	CH_3	H	H	CH_3	^{i}Pr	N_3	H	F	OH	H	H
XIII-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	N_3	H	F	OH	H	H
XIII-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	H	F	OH	H	H
XIII-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	H	F	OH	H	H
XIII-21-8	CH_3	*	H	*	^{i}Pr	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-22-1	Et	H	H	H	^{i}Pr	N_3	H	F	OH	H	H
XIII-22-2	Et	H	H	CH_3	^{i}Pr	N_3	H	F	OH	H	H
XIII-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-22-5	Et	H	H	CH_2Ph	^{i}Pr	N_3	H	F	OH	H	H
XIII-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	H	F	OH	H	H
XIII-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	H	F	OH	H	H
XIII-22-8	Et	*	H	*	^{i}Pr	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-23-1	^{i}Pr	H	H	H	^{i}Pr	N_3	H	F	OH	H	H
XIII-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	N_3	H	F	OH	H	H
XIII-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	N_3	H	F	OH	H	H
XIII-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	H	F	OH	H	H
XIII-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	H	F	OH	H	H
XIII-23-8	^{i}Pr	*	H	*	^{i}Pr	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-24-1	^{t}Bu	H	H	H	^{i}Pr	N_3	H	F	OH	H	H
XIII-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	N_3	H	F	OH	H	H
XIII-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	N_3	H	F	OH	H	H
XIII-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	H	F	OH	H	H
XIII-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	H	F	OH	H	H
XIII-24-8	^{t}Bu	*	H	*	^{i}Pr	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-25-1	Ph	H	H	H	^{i}Pr	N_3	H	F	OH	H	H
XIII-25-2	Ph	H	H	CH_3	^{i}Pr	N_3	H	F	OH	H	H
XIII-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-25-5	Ph	H	H	CH_2Ph	^{i}Pr	N_3	H	F	OH	H	H
XIII-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	H	F	OH	H	H
XIII-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	H	F	OH	H	H
XIII-25-8	Ph	*	H	*	^{i}Pr	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-26-1	p-Me-Ph	H	H	H	^{i}Pr	N_3	H	F	OH	H	H
XIII-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	N_3	H	F	OH	H	H
XIII-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	N_3	H	F	OH	H	H
XIII-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	H	F	OH	H	H
XIII-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	H	F	OH	H	H
XIII-26-8	p-Me-Ph	*	H	*	^{i}Pr	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-27-1	p-F-Ph	H	H	H	^{i}Pr	N_3	H	F	OH	H	H
XIII-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	N_3	H	F	OH	H	H
XIII-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	N_3	H	F	OH	H	H
XIII-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	H	F	OH	H	H
XIII-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	H	F	OH	H	H
XIII-27-8	p-F-Ph	*	H	*	^{i}Pr	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-28-1	p-Cl-Ph	H	H	H	^{i}Pr	N_3	H	F	OH	H	H
XIII-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	N_3	H	F	OH	H	H
XIII-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	N_3	H	F	OH	H	H
XIII-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	H	F	OH	H	H
XIII-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	H	F	OH	H	H
XIII-28-8	p-Cl-Ph	*	H	*	^{i}Pr	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-29-1	p-Br-Ph	H	H	H	^{i}Pr	N_3	H	F	OH	H	H
XIII-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	N_3	H	F	OH	H	H
XIII-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	N_3	H	F	OH	H	H
XIII-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	H	F	OH	H	H
XIII-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	H	F	OH	H	H
XIII-29-8	p-Br-Ph	*	H	*	^{i}Pr	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-30-1	p-I-Ph	H	H	H	^{i}Pr	N_3	H	F	OH	H	H
XIII-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	N_3	H	F	OH	H	H
XIII-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	H	F	OH	H	H
XIII-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	N_3	H	F	OH	H	H
XIII-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	H	F	OH	H	H
XIII-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	H	F	OH	H	H
XIII-30-8	p-I-Ph	*	H	*	^{i}Pr	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-31-1	CH_3	H	H	H	^{n}Bu	N_3	H	F	OH	H	H
XIII-31-2	CH_3	H	H	CH_3	^{n}Bu	N_3	H	F	OH	H	H
XIII-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	N_3	H	F	OH	H	H
XIII-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	H	F	OH	H	H
XIII-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	H	F	OH	H	H
XIII-31-8	CH_3	*	H	*	^{n}Bu	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-32-1	Et	H	H	H	^{n}Bu	N_3	H	F	OH	H	H
XIII-32-2	Et	H	H	CH_3	^{n}Bu	N_3	H	F	OH	H	H
XIII-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-32-5	Et	H	H	CH_2Ph	^{n}Bu	N_3	H	F	OH	H	H
XIII-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	H	F	OH	H	H
XIII-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	H	F	OH	H	H
XIII-32-8	Et	*	H	*	^{n}Bu	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-33-1	^{i}Pr	H	H	H	^{n}Bu	N_3	H	F	OH	H	H
XIII-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	N_3	H	F	OH	H	H
XIII-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	N_3	H	F	OH	H	H
XIII-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	H	F	OH	H	H
XIII-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	H	F	OH	H	H
XIII-33-8	^{i}Pr	*	H	*	^{n}Bu	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-34-1	^{t}Bu	H	H	H	^{n}Bu	N_3	H	F	OH	H	H
XIII-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	N_3	H	F	OH	H	H
XIII-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	N_3	H	F	OH	H	H
XIII-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	H	F	OH	H	H
XIII-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	H	F	OH	H	H
XIII-34-8	^{t}Bu	*	H	*	^{n}Bu	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-35-1	Ph	H	H	H	^{n}Bu	N_3	H	F	OH	H	H
XIII-35-2	Ph	H	H	CH_3	^{n}Bu	N_3	H	F	OH	H	H
XIII-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-35-5	Ph	H	H	CH_2Ph	^{n}Bu	N_3	H	F	OH	H	H
XIII-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	H	F	OH	H	H
XIII-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	H	F	OH	H	H
XIII-35-8	Ph	*	H	*	^{n}Bu	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-36-1	p-Me-Ph	H	H	H	^{n}Bu	N_3	H	F	OH	H	H
XIII-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	N_3	H	F	OH	H	H
XIII-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	N_3	H	F	OH	H	H
XIII-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	H	F	OH	H	H
XIII-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	H	F	OH	H	H
XIII-36-8	p-Me-Ph	*	H	*	^{n}Bu	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-37-1	p-F-Ph	H	H	H	^{n}Bu	N_3	H	F	OH	H	H
XIII-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	N_3	H	F	OH	H	H
XIII-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	N_3	H	F	OH	H	H
XIII-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	H	F	OH	H	H
XIII-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	H	F	OH	H	H
XIII-37-8	p-F-Ph	*	H	*	^{n}Bu	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-38-1	p-Cl-Ph	H	H	H	^{n}Bu	N_3	H	F	OH	H	H
XIII-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	N_3	H	F	OH	H	H
XIII-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	N_3	H	F	OH	H	H
XIII-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	H	F	OH	H	H
XIII-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	H	F	OH	H	H
XIII-38-8	p-Cl-Ph	*	H	*	^{n}Bu	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-39-1	p-Br-Ph	H	H	H	^{n}Bu	N_3	H	F	OH	H	H
XIII-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	N_3	H	F	OH	H	H
XIII-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	N_3	H	F	OH	H	H
XIII-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	H	F	OH	H	H
XIII-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	H	F	OH	H	H
XIII-39-8	p-Br-Ph	*	H	*	^{n}Bu	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-40-1	p-I-Ph	H	H	H	^{n}Bu	N_3	H	F	OH	H	H
XIII-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	N_3	H	F	OH	H	H
XIII-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	H	F	OH	H	H
XIII-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	N_3	H	F	OH	H	H
XIII-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	H	F	OH	H	H
XIII-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	H	F	OH	H	H
XIII-40-8	p-I-Ph	*	H	*	^{n}Bu	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIII-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-41-1	CH_3	H	H	H	Bz	N_3	H	F	OH	H	H
XIII-41-2	CH_3	H	H	CH_3	Bz	N_3	H	F	OH	H	H
XIII-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-41-5	CH_3	H	H	CH_2Ph	Bz	N_3	H	F	OH	H	H
XIII-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	N_3	H	F	OH	H	H
XIII-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	N_3	H	F	OH	H	H
XIII-41-8	CH_3	*	H	*	Bz	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-42-1	Et	H	H	H	Bz	N_3	H	F	OH	H	H
XIII-42-2	Et	H	H	CH_3	Bz	N_3	H	F	OH	H	H
XIII-42-3	Et	H	H	$CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-42-5	Et	H	H	CH_2Ph	Bz	N_3	H	F	OH	H	H
XIII-42-6	Et	H	H	CH_2-indol-3-yl	Bz	N_3	H	F	OH	H	H
XIII-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	N_3	H	F	OH	H	H
XIII-42-8	Et	*	H	*	Bz	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-43-1	^{i}Pr	H	H	H	Bz	N_3	H	F	OH	H	H
XIII-43-2	^{i}Pr	H	H	CH_3	Bz	N_3	H	F	OH	H	H
XIII-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-43-5	^{i}Pr	H	H	CH_2Ph	Bz	N_3	H	F	OH	H	H
XIII-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	N_3	H	F	OH	H	H
XIII-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	N_3	H	F	OH	H	H
XIII-43-8	^{i}Pr	*	H	*	Bz	N_3	H	F	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-44-1	^{t}Bu	H	H	H	Bz	N_3	H	F	OH	H	H
XIII-44-2	^{t}Bu	H	H	CH_3	Bz	N_3	H	F	OH	H	H
XIII-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-44-5	^{t}Bu	H	H	CH_2Ph	Bz	N_3	H	F	OH	H	H
XIII-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	N_3	H	F	OH	H	H
XIII-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	N_3	H	F	OH	H	H
XIII-44-8	^{t}Bu	*	H	*	Bz	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-45-1	Ph	H	H	H	Bz	N_3	H	F	OH	H	H
XIII-45-2	Ph	H	H	CH_3	Bz	N_3	H	F	OH	H	H
XIII-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-45-5	Ph	H	H	CH_2Ph	Bz	N_3	H	F	OH	H	H
XIII-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	N_3	H	F	OH	H	H
XIII-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	H	F	OH	H	H
XIII-45-8	Ph	*	H	*	Bz	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-46-1	p-Me-Ph	H	H	H	Bz	N_3	H	F	OH	H	H
XIII-46-2	p-Me-Ph	H	H	CH_3	Bz	N_3	H	F	OH	H	H
XIII-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	N_3	H	F	OH	H	H
XIII-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	H	F	OH	H	H
XIII-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	H	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-46-8	p-Me-Ph	*	H	*	Bz	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-47-1	p-F-Ph	H	H	H	Bz	N_3	H	F	OH	H	H
XIII-47-2	p-F-Ph	H	H	CH_3	Bz	N_3	H	F	OH	H	H
XIII-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-47-5	p-F-Ph	H	H	CH_2Ph	Bz	N_3	H	F	OH	H	H
XIII-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	H	F	OH	H	H
XIII-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	H	F	OH	H	H
XIII-47-8	p-F-Ph	*	H	*	Bz	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-48-1	p-Cl-Ph	H	H	H	Bz	N_3	H	F	OH	H	H
XIII-48-2	p-Cl-Ph	H	H	CH_3	Bz	N_3	H	F	OH	H	H
XIII-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	N_3	H	F	OH	H	H
XIII-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	H	F	OH	H	H
XIII-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	H	F	OH	H	H
XIII-48-8	p-Cl-Ph	*	H	*	Bz	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-49-1	p-Br-Ph	H	H	H	Bz	N_3	H	F	OH	H	H
XIII-49-2	p-Br-Ph	H	H	CH_3	Bz	N_3	H	F	OH	H	H
XIII-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	N_3	H	F	OH	H	H

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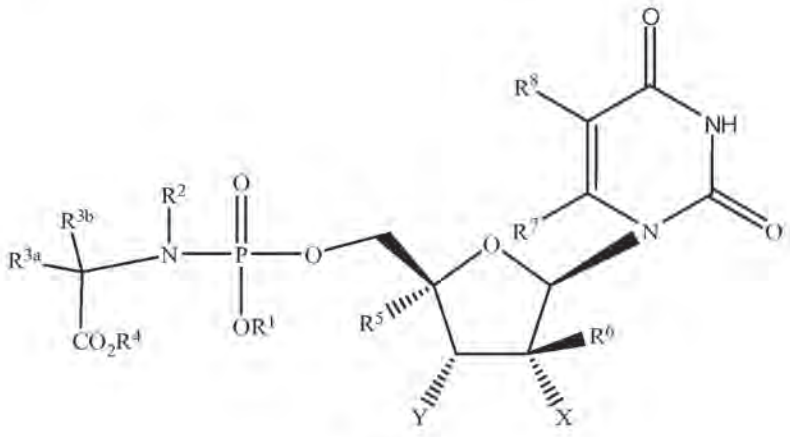
№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	H	F	OH	H	H
XIII-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	H	F	OH	H	H
XIII-49-8	p-Br-Ph	*	H	*	Bz	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIII-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIII-50-1	p-I-Ph	H	H	H	Bz	N_3	H	F	OH	H	H
XIII-50-2	p-I-Ph	H	H	CH_3	Bz	N_3	H	F	OH	H	H
XIII-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	H	F	OH	H	H
XIII-50-5	p-I-Ph	H	H	CH_2Ph	Bz	N_3	H	F	OH	H	H
XIII-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	H	F	OH	H	H
XIII-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	H	F	OH	H	H
XIII-50-8	p-I-Ph	*	H	*	Bz	N_3	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.



XIV

Table XIV-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-1-1	CH_3	H	H	H	CH_3	N_3	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-1-2	CH_3	H	H	CH_3	CH_3	N_3	F	H	OH	H	H
XIV-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-1-5	CH_3	H	H	CH_2Ph	CH_3	N_3	F	H	OH	H	H
XIV-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	N_3	F	H	OH	H	H
XIV-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	H	OH	H	H
XIV-1-8	CH_3	*	H	*	CH_3	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-2-1	Et	H	H	H	CH_3	N_3	F	H	OH	H	H
XIV-2-2	Et	H	H	CH_3	CH_3	N_3	F	H	OH	H	H
XIV-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-2-5	Et	H	H	CH_2Ph	CH_3	N_3	F	H	OH	H	H
XIV-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	N_3	F	H	OH	H	H
XIV-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	H	OH	H	H
XIV-2-8	Et	*	H	*	CH_3	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-3-1	^iPr	H	H	H	CH_3	N_3	F	H	OH	H	H
XIV-3-2	^iPr	H	H	CH_3	CH_3	N_3	F	H	OH	H	H
XIV-3-3	^iPr	H	H	$CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-3-4	^iPr	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-3-5	^iPr	H	H	CH_2Ph	CH_3	N_3	F	H	OH	H	H
XIV-3-6	^iPr	H	H	CH_2-indol-3-yl	CH_3	N_3	F	H	OH	H	H
XIV-3-7	^iPr	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	H	OH	H	H
XIV-3-8	^iPr	*	H	*	CH_3	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-4.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-4-1	^{t}Bu	H	H	H	CH_3	N_3	F	H	OH	H	H
XIV-4-2	^{t}Bu	H	H	CH_3	CH_3	N_3	F	H	OH	H	H
XIV-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	N_3	F	H	OH	H	H
XIV-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	N_3	F	H	OH	H	H
XIV-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	H	OH	H	H
XIV-4-8	^{t}Bu	*	H	*	CH_3	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-5-1	Ph	H	H	H	CH_3	N_3	F	H	OH	H	H
XIV-5-2	Ph	H	H	CH_3	CH_3	N_3	F	H	OH	H	H
XIV-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-5-5	Ph	H	H	CH_2Ph	CH_3	N_3	F	H	OH	H	H
XIV-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	H	OH	H	H
XIV-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	H	OH	H	H
XIV-5-8	Ph	*	H	*	CH_3	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-6-1	p-Me-Ph	H	H	H	CH_3	N_3	F	H	OH	H	H
XIV-6-2	p-Me-Ph	H	H	CH_3	CH_3	N_3	F	H	OH	H	H
XIV-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	N_3	F	H	OH	H	H
XIV-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	H	OH	H	H
XIV-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	H	OH	H	H
XIV-6-8	p-Me-Ph	*	H	*	CH_3	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-7-1	p-F-Ph	H	H	H	CH_3	N_3	F	H	OH	H	H
XIV-7-2	p-F-Ph	H	H	CH_3	CH_3	N_3	F	H	OH	H	H
XIV-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	N_3	F	H	OH	H	H
XIV-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	H	OH	H	H
XIV-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	H	OH	H	H
XIV-7-20	p-F-Ph	*	H	*	CH_3	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-8-1	p-Cl-Ph	H	H	H	CH_3	N_3	F	H	OH	H	H
XIV-8-2	p-Cl-Ph	H	H	CH_3	CH_3	N_3	F	H	OH	H	H
XIV-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	N_3	F	H	OH	H	H
XIV-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	H	OH	H	H
XIV-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	H	OH	H	H
XIV-8-8	p-Cl-Ph	*	H	*	CH_3	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-9-1	p-Br-Ph	H	H	H	CH_3	N_3	F	H	OH	H	H
XIV-9-2	p-Br-Ph	H	H	CH_3	CH_3	N_3	F	H	OH	H	H
XIV-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	N_3	F	H	OH	H	H
XIV-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	H	OH	H	H
XIV-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	H	OH	H	H
XIV-9-20	p-Br-Ph	*	H	*	CH_3	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-10-1	p-I-Ph	H	H	H	CH_3	N_3	F	H	OH	H	H
XIV-10-2	p-I-Ph	H	H	CH_3	CH_3	N_3	F	H	OH	H	H
XIV-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	N_3	F	H	OH	H	H
XIV-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	N_3	F	H	OH	H	H
XIV-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	N_3	F	H	OH	H	H
XIV-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	N_3	F	H	OH	H	H
XIV-10-8	p-I-Ph	*	H	*	CH_3	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-11-1	CH_3	H	H	H	Et	N_3	F	H	OH	H	H
XIV-11-2	CH_3	H	H	CH_3	Et	N_3	F	H	OH	H	H
XIV-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-11-5	CH_3	H	H	CH_2Ph	Et	N_3	F	H	OH	H	H
XIV-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	N_3	F	H	OH	H	H
XIV-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	H	OH	H	H
XIV-11-8	CH_3	*	H	*	Et	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-12-1	Et	H	H	H	Et	N_3	F	H	OH	H	H
XIV-12-2	Et	H	H	CH_3	Et	N_3	F	H	OH	H	H
XIV-12-3	Et	H	H	$CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-12-5	Et	H	H	CH_2Ph	Et	N_3	F	H	OH	H	H
XIV-12-6	Et	H	H	CH_2-indol-3-yl	Et	N_3	F	H	OH	H	H
XIV-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	H	OH	H	H
XIV-12-8	Et	*	H	*	Et	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-13-1	^{i}Pr	H	H	H	Et	N_3	F	H	OH	H	H
XIV-13-2	^{i}Pr	H	H	CH_3	Et	N_3	F	H	OH	H	H
XIV-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-13-5	^{i}Pr	H	H	CH_2Ph	Et	N_3	F	H	OH	H	H
XIV-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	N_3	F	H	OH	H	H
XIV-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	H	OH	H	H
XIV-13-8	^{i}Pr	*	H	*	Et	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-14-1	^{t}Bu	H	H	H	Et	N_3	F	H	OH	H	H
XIV-14-2	^{t}Bu	H	H	CH_3	Et	N_3	F	H	OH	H	H
XIV-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-14-5	^{t}Bu	H	H	CH_2Ph	Et	N_3	F	H	OH	H	H
XIV-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	N_3	F	H	OH	H	H
XIV-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	H	OH	H	H
XIV-14-8	^{t}Bu	*	H	*	Et	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-15-1	Ph	H	H	H	Et	N_3	F	H	OH	H	H
XIV-15-2	Ph	H	H	CH_3	Et	N_3	F	H	OH	H	H
XIV-15-3	Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-15-5	Ph	H	H	CH_2Ph	Et	N_3	F	H	OH	H	H
XIV-15-6	Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	H	OH	H	H
XIV-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	H	OH	H	H
XIV-15-8	Ph	*	H	*	Et	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-16-1	p-Me-Ph	H	H	H	Et	N_3	F	H	OH	H	H
XIV-16-2	p-Me-Ph	H	H	CH_3	Et	N_3	F	H	OH	H	H
XIV-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-16-5	p-Me-Ph	H	H	CH_2Ph	Et	N_3	F	H	OH	H	H
XIV-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	H	OH	H	H
XIV-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	H	OH	H	H
XIV-16-8	p-Me-Ph	*	H	*	Et	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-17-1	p-F-Ph	H	H	H	Et	N_3	F	H	OH	H	H
XIV-17-2	p-F-Ph	H	H	CH_3	Et	N_3	F	H	OH	H	H
XIV-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-17-5	p-F-Ph	H	H	CH_2Ph	Et	N_3	F	H	OH	H	H
XIV-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	H	OH	H	H
XIV-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	H	OH	H	H
XIV-17-8	p-F-Ph	*	H	*	Et	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-18-1	p-Cl-Ph	H	H	H	Et	N_3	F	H	OH	H	H
XIV-18-2	p-Cl-Ph	H	H	CH_3	Et	N_3	F	H	OH	H	H
XIV-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	N_3	F	H	OH	H	H
XIV-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	H	OH	H	H
XIV-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	H	OH	H	H
XIV-18-8	p-Cl-Ph	*	H	*	Et	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-19-1	p-Br-Ph	H	H	H	Et	N_3	F	H	OH	H	H
XIV-19-2	p-Br-Ph	H	H	CH_3	Et	N_3	F	H	OH	H	H
XIV-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-19-5	p-Br-Ph	H	H	CH_2Ph	Et	N_3	F	H	OH	H	H
XIV-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	H	OH	H	H
XIV-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	H	OH	H	H
XIV-19-8	p-Br-Ph	*	H	*	Et	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-20-1	p-I-Ph	H	H	H	Et	N_3	F	H	OH	H	H
XIV-20-2	p-I-Ph	H	H	CH_3	Et	N_3	F	H	OH	H	H
XIV-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	N_3	F	H	OH	H	H
XIV-20-5	p-I-Ph	H	H	CH_2Ph	Et	N_3	F	H	OH	H	H
XIV-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	N_3	F	H	OH	H	H
XIV-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	N_3	F	H	OH	H	H
XIV-20-8	p-I-Ph	*	H	*	Et	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-21-1	CH_3	H	H	H	^{i}Pr	N_3	F	H	OH	H	H
XIV-21-2	CH_3	H	H	CH_3	^{i}Pr	N_3	F	H	OH	H	H
XIV-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	N_3	F	H	OH	H	H
XIV-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	H	OH	H	H
XIV-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	H	OH	H	H
XIV-21-8	CH_3	*	H	*	^{i}Pr	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-22-1	Et	H	H	H	^{i}Pr	N_3	F	H	OH	H	H
XIV-22-2	Et	H	H	CH_3	^{i}Pr	N_3	F	H	OH	H	H
XIV-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-22-5	Et	H	H	CH_2Ph	^{i}Pr	N_3	F	H	OH	H	H
XIV-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	H	OH	H	H
XIV-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	H	OH	H	H
XIV-22-8	Et	*	H	*	^{i}Pr	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-23-1	^{i}Pr	H	H	H	^{i}Pr	N_3	F	H	OH	H	H
XIV-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	N_3	F	H	OH	H	H
XIV-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	N_3	F	H	OH	H	H
XIV-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	H	OH	H	H
XIV-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	H	OH	H	H
XIV-23-8	^{i}Pr	*	H	*	^{i}Pr	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-24-1	^{t}Bu	H	H	H	^{i}Pr	N_3	F	H	OH	H	H
XIV-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	N_3	F	H	OH	H	H
XIV-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	N_3	F	H	OH	H	H
XIV-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	H	OH	H	H
XIV-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	H	OH	H	H
XIV-24-8	^{t}Bu	*	H	*	^{i}Pr	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-25-1	Ph	H	H	H	^{i}Pr	N_3	F	H	OH	H	H
XIV-25-2	Ph	H	H	CH_3	^{i}Pr	N_3	F	H	OH	H	H
XIV-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-25-5	Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	H	OH	H	H
XIV-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	H	OH	H	H
XIV-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	H	OH	H	H
XIV-25-8	Ph	*	H	*	^{i}Pr	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-26-1	p-Me-Ph	H	H	H	^{i}Pr	N_3	F	H	OH	H	H
XIV-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	N_3	F	H	OH	H	H
XIV-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	H	OH	H	H
XIV-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	H	OH	H	H
XIV-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	H	OH	H	H
XIV-26-8	p-Me-Ph	*	H	*	^{i}Pr	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-27-1	p-F-Ph	H	H	H	^{i}Pr	N_3	F	H	OH	H	H
XIV-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	N_3	F	H	OH	H	H
XIV-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	H	OH	H	H
XIV-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	H	OH	H	H
XIV-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	H	OH	H	H
XIV-27-8	p-F-Ph	*	H	*	^{i}Pr	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-28-1	p-Cl-Ph	H	H	H	^{i}Pr	N_3	F	H	OH	H	H
XIV-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	N_3	F	H	OH	H	H
XIV-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	H	OH	H	H
XIV-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	H	OH	H	H
XIV-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	H	OH	H	H
XIV-28-8	p-Cl-Ph	*	H	*	^{i}Pr	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-29-1	p-Br-Ph	H	H	H	^{i}Pr	N_3	F	H	OH	H	H
XIV-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	N_3	F	H	OH	H	H
XIV-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	H	OH	H	H
XIV-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	H	OH	H	H
XIV-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	H	OH	H	H
XIV-29-8	p-Br-Ph	*	H	*	^{i}Pr	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-30-1	p-I-Ph	H	H	H	^{i}Pr	N_3	F	H	OH	H	H
XIV-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	N_3	F	H	OH	H	H
XIV-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	N_3	F	H	OH	H	H
XIV-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	N_3	F	H	OH	H	H
XIV-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	N_3	F	H	OH	H	H
XIV-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	N_3	F	H	OH	H	H
XIV-30-8	p-I-Ph	*	H	*	^{i}Pr	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-31-1	CH_3	H	H	H	^{n}Bu	N_3	F	H	OH	H	H
XIV-31-2	CH_3	H	H	CH_3	^{n}Bu	N_3	F	H	OH	H	H
XIV-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	N_3	F	H	OH	H	H
XIV-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	H	OH	H	H
XIV-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	H	OH	H	H
XIV-31-8	CH_3	*	H	*	^{n}Bu	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-32-1	Et	H	H	H	^{n}Bu	N_3	F	H	OH	H	H
XIV-32-2	Et	H	H	CH_3	^{n}Bu	N_3	F	H	OH	H	H
XIV-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-32-5	Et	H	H	CH_2Ph	^{n}Bu	N_3	F	H	OH	H	H
XIV-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	H	OH	H	H
XIV-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	H	OH	H	H
XIV-32-8	Et	*	H	*	^{n}Bu	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-33-1	^{i}Pr	H	H	H	^{n}Bu	N_3	F	H	OH	H	H
XIV-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	N_3	F	H	OH	H	H
XIV-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	N_3	F	H	OH	H	H
XIV-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	H	OH	H	H
XIV-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	H	OH	H	H
XIV-33-8	^{i}Pr	*	H	*	^{n}Bu	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-34-1	^{t}Bu	H	H	H	^{n}Bu	N_3	F	H	OH	H	H
XIV-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	N_3	F	H	OH	H	H
XIV-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	N_3	F	H	OH	H	H
XIV-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	H	OH	H	H
XIV-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	H	OH	H	H
XIV-34-8	^{t}Bu	*	H	*	^{n}Bu	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-35-1	Ph	H	H	H	^{n}Bu	N_3	F	H	OH	H	H
XIV-35-2	Ph	H	H	CH_3	^{n}Bu	N_3	F	H	OH	H	H
XIV-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-35-5	Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	H	OH	H	H
XIV-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	H	OH	H	H
XIV-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	H	OH	H	H
XIV-35-8	Ph	*	H	*	^{n}Bu	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-36-1	p-Me-Ph	H	H	H	^{n}Bu	N_3	F	H	OH	H	H
XIV-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	N_3	F	H	OH	H	H
XIV-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	H	OH	H	H
XIV-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	H	OH	H	H
XIV-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	H	OH	H	H
XIV-36-8	p-Me-Ph	*	H	*	^{n}Bu	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-37-1	p-F-Ph	H	H	H	^{n}Bu	N_3	F	H	OH	H	H
XIV-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	N_3	F	H	OH	H	H
XIV-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	H	OH	H	H
XIV-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	H	OH	H	H
XIV-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	H	OH	H	H
XIV-37-8	p-F-Ph	*	H	*	^{n}Bu	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-38-1	p-Cl-Ph	H	H	H	^{n}Bu	N_3	F	H	OH	H	H
XIV-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	N_3	F	H	OH	H	H
XIV-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	H	OH	H	H
XIV-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	H	OH	H	H
XIV-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	H	OH	H	H
XIV-38-8	p-Cl-Ph	*	H	*	^{n}Bu	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-39-1	p-Br-Ph	H	H	H	^{n}Bu	N_3	F	H	OH	H	H
XIV-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	N_3	F	H	OH	H	H
XIV-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	H	OH	H	H
XIV-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	H	OH	H	H
XIV-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	H	OH	H	H
XIV-39-8	p-Br-Ph	*	H	*	^{n}Bu	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-40-1	p-I-Ph	H	H	H	^{n}Bu	N_3	F	H	OH	H	H
XIV-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	N_3	F	H	OH	H	H
XIV-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	N_3	F	H	OH	H	H
XIV-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	N_3	F	H	OH	H	H
XIV-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	N_3	F	H	OH	H	H
XIV-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	N_3	F	H	OH	H	H
XIV-40-8	p-I-Ph	*	H	*	^{n}Bu	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-41-1	CH_3	H	H	H	Bz	N_3	F	H	OH	H	H
XIV-41-2	CH_3	H	H	CH_3	Bz	N_3	F	H	OH	H	H
XIV-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-41-5	CH_3	H	H	CH_2Ph	Bz	N_3	F	H	OH	H	H
XIV-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	N_3	F	H	OH	H	H
XIV-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	H	OH	H	H
XIV-41-8	CH_3	*	H	*	Bz	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-42-1	Et	H	H	H	Bz	N_3	F	H	OH	H	H
XIV-42-2	Et	H	H	CH_3	Bz	N_3	F	H	OH	H	H
XIV-42-3	Et	H	H	$CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-42-5	Et	H	H	CH_2Ph	Bz	N_3	F	H	OH	H	H
XIV-42-6	Et	H	H	CH_2-indol-3-yl	Bz	N_3	F	H	OH	H	H
XIV-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	H	OH	H	H
XIV-42-8	Et	*	H	*	Bz	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIV-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-43-1	^{i}Pr	H	H	H	Bz	N_3	F	H	OH	H	H
XIV-43-2	^{i}Pr	H	H	CH_3	Bz	N_3	F	H	OH	H	H
XIV-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-43-5	^{i}Pr	H	H	CH_2Ph	Bz	N_3	F	H	OH	H	H
XIV-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	N_3	F	H	OH	H	H
XIV-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	H	OH	H	H
XIV-43-8	^{i}Pr	*	H	*	Bz	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-44-1	^{t}Bu	H	H	H	Bz	N_3	F	H	OH	H	H
XIV-44-2	^{t}Bu	H	H	CH_3	Bz	N_3	F	H	OH	H	H
XIV-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-44-5	^{t}Bu	H	H	CH_2Ph	Bz	N_3	F	H	OH	H	H
XIV-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	N_3	F	H	OH	H	H
XIV-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	H	OH	H	H
XIV-44-8	^{t}Bu	*	H	*	Bz	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-45-1	Ph	H	H	H	Bz	N_3	F	H	OH	H	H
XIV-45-2	Ph	H	H	CH_3	Bz	N_3	F	H	OH	H	H
XIV-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-45-5	Ph	H	H	CH_2Ph	Bz	N_3	F	H	OH	H	H
XIV-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	H	OH	H	H
XIV-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	H	OH	H	H
XIV-45-8	Ph	*	H	*	Bz	N_3	F	H	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-46-1	p-Me-Ph	H	H	H	Bz	N_3	F	H	OH	H	H
XIV-46-2	p-Me-Ph	H	H	CH_3	Bz	N_3	F	H	OH	H	H
XIV-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	N_3	F	H	OH	H	H
XIV-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	H	OH	H	H
XIV-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	H	OH	H	H
XIV-46-8	p-Me-Ph	*	H	*	Bz	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-47-1	p-F-Ph	H	H	H	Bz	N_3	F	H	OH	H	H
XIV-47-2	p-F-Ph	H	H	CH_3	Bz	N_3	F	H	OH	H	H
XIV-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-47-5	p-F-Ph	H	H	CH_2Ph	Bz	N_3	F	H	OH	H	H
XIV-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	H	OH	H	H
XIV-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	H	OH	H	H
XIV-47-8	p-F-Ph	*	H	*	Bz	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-48-1	p-Cl-Ph	H	H	H	Bz	N_3	F	H	OH	H	H
XIV-48-2	p-Cl-Ph	H	H	CH_3	Bz	N_3	F	H	OH	H	H
XIV-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	N_3	F	H	OH	H	H
XIV-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	H	OH	H	H
XIV-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-48-8	p-Cl-Ph	*	H	*	Bz	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-49-1	p-Br-Ph	H	H	H	Bz	N_3	F	H	OH	H	H
XIV-49-2	p-Br-Ph	H	H	CH_3	Bz	N_3	F	H	OH	H	H
XIV-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	N_3	F	H	OH	H	H
XIV-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	H	OH	H	H
XIV-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	H	OH	H	H
XIV-49-8	p-Br-Ph	*	H	*	Bz	N_3	F	H	OH	H	H

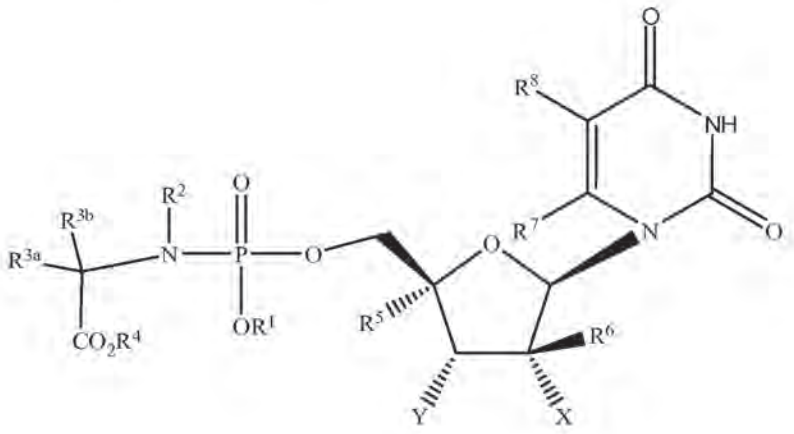
*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIV-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIV-50-1	p-I-Ph	H	H	H	Bz	N_3	F	H	OH	H	H
XIV-50-2	p-I-Ph	H	H	CH_3	Bz	N_3	F	H	OH	H	H
XIV-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	N_3	F	H	OH	H	H
XIV-50-5	p-I-Ph	H	H	CH_2Ph	Bz	N_3	F	H	OH	H	H
XIV-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	N_3	F	H	OH	H	H
XIV-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	N_3	F	H	OH	H	H
XIV-50-8	p-I-Ph	*	H	*	Bz	N_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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XV

Table XV-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-1-1	CH_3	H	H	H	CH_3	F	F	H	OH	H	H
XV-1-2	CH_3	H	H	CH_3	CH_3	F	F	H	OH	H	H
XV-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-1-5	CH_3	H	H	CH_2Ph	CH_3	F	F	H	OH	H	H
XV-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	F	F	H	OH	H	H
XV-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	H	OH	H	H
XV-1-8	CH_3	*	H	*	CH_3	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-2-1	Et	H	H	H	CH_3	F	F	H	OH	H	H
XV-2-2	Et	H	H	CH_3	CH_3	F	F	H	OH	H	H
XV-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-2-5	Et	H	H	CH_2Ph	CH_3	F	F	H	OH	H	H
XV-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	F	F	H	OH	H	H
XV-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	H	OH	H	H
XV-2-8	Et	*	H	*	CH_3	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-3-1	^{i}Pr	H	H	H	CH_3	F	F	H	OH	H	H
XV-3-2	^{i}Pr	H	H	CH_3	CH_3	F	F	H	OH	H	H
XV-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	F	F	H	OH	H	H
XV-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	F	F	H	OH	H	H
XV-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	H	OH	H	H
XV-3-8	^{i}Pr	*	H	*	CH_3	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-4-1	^{t}Bu	H	H	H	CH_3	F	F	H	OH	H	H
XV-4-2	^{t}Bu	H	H	CH_3	CH_3	F	F	H	OH	H	H
XV-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	F	F	H	OH	H	H
XV-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	F	F	H	OH	H	H
XV-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	H	OH	H	H
XV-4-8	^{t}Bu	*	H	*	CH_3	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-5-1	Ph	H	H	H	CH_3	F	F	H	OH	H	H
XV-5-2	Ph	H	H	CH_3	CH_3	F	F	H	OH	H	H
XV-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-5-5	Ph	H	H	CH_2Ph	CH_3	F	F	H	OH	H	H
XV-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	H	OH	H	H
XV-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	H	OH	H	H
XV-5-8	Ph	*	H	*	CH_3	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-6-1	p-Me-Ph	H	H	H	CH_3	F	F	H	OH	H	H
XV-6-2	p-Me-Ph	H	H	CH_3	CH_3	F	F	H	OH	H	H
XV-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	F	F	H	OH	H	H
XV-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	H	OH	H	H
XV-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	H	OH	H	H
XV-6-8	p-Me-Ph	*	H	*	CH_3	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-7-1	p-F-Ph	H	H	H	CH_3	F	F	H	OH	H	H
XV-7-2	p-F-Ph	H	H	CH_3	CH_3	F	F	H	OH	H	H
XV-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	F	F	H	OH	H	H
XV-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	H	OH	H	H
XV-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	H	OH	H	H
XV-7-20	p-F-Ph	*	H	*	CH_3	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-8-1	p-Cl-Ph	H	H	H	CH_3	F	F	H	OH	H	H
XV-8-2	p-Cl-Ph	H	H	CH_3	CH_3	F	F	H	OH	H	H
XV-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	F	F	H	OH	H	H
XV-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	H	OH	H	H
XV-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	H	OH	H	H
XV-8-8	p-Cl-Ph	*	H	*	CH_3	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-9-1	p-Br-Ph	H	H	H	CH_3	F	F	H	OH	H	H
XV-9-2	p-Br-Ph	H	H	CH_3	CH_3	F	F	H	OH	H	H
XV-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	F	F	H	OH	H	H
XV-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	H	OH	H	H
XV-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	H	OH	H	H
XV-9-20	p-Br-Ph	*	H	*	CH_3	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-10-1	p-I-Ph	H	H	H	CH_3	F	F	H	OH	H	H
XV-10-2	p-I-Ph	H	H	CH_3	CH_3	F	F	H	OH	H	H
XV-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	H	OH	H	H
XV-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	F	F	H	OH	H	H
XV-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	H	OH	H	H
XV-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	H	OH	H	H
XV-10-8	p-I-Ph	*	H	*	CH_3	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-11-1	CH_3	H	H	H	Et	F	F	H	OH	H	H
XV-11-2	CH_3	H	H	CH_3	Et	F	F	H	OH	H	H
XV-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-11-5	CH_3	H	H	CH_2Ph	Et	F	F	H	OH	H	H
XV-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	F	F	H	OH	H	H
XV-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	F	F	H	OH	H	H
XV-11-8	CH_3	*	H	*	Et	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-12-1	Et	H	H	H	Et	F	F	H	OH	H	H
XV-12-2	Et	H	H	CH_3	Et	F	F	H	OH	H	H
XV-12-3	Et	H	H	$CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-12-5	Et	H	H	CH_2Ph	Et	F	F	H	OH	H	H
XV-12-6	Et	H	H	CH_2-indol-3-yl	Et	F	F	H	OH	H	H
XV-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	F	F	H	OH	H	H
XV-12-8	Et	*	H	*	Et	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-13-1	^{i}Pr	H	H	H	Et	F	F	H	OH	H	H
XV-13-2	^{i}Pr	H	H	CH_3	Et	F	F	H	OH	H	H
XV-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-13-5	^{i}Pr	H	H	CH_2Ph	Et	F	F	H	OH	H	H
XV-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	F	F	H	OH	H	H
XV-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	F	F	H	OH	H	H
XV-13-8	^{i}Pr	*	H	*	Et	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-14-1	^{t}Bu	H	H	H	Et	F	F	H	OH	H	H
XV-14-2	^{t}Bu	H	H	CH_3	Et	F	F	H	OH	H	H
XV-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-14-5	^{t}Bu	H	H	CH_2Ph	Et	F	F	H	OH	H	H
XV-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	F	F	H	OH	H	H
XV-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	F	F	H	OH	H	H
XV-14-8	^{t}Bu	*	H	*	Et	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-15-1	Ph	H	H	H	Et	F	F	H	OH	H	H
XV-15-2	Ph	H	H	CH_3	Et	F	F	H	OH	H	H
XV-15-3	Ph	H	H	$CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-15-5	Ph	H	H	CH_2Ph	Et	F	F	H	OH	H	H
XV-15-6	Ph	H	H	CH_2-indol-3-yl	Et	F	F	H	OH	H	H
XV-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	H	OH	H	H
XV-15-8	Ph	*	H	*	Et	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-16-1	p-Me-Ph	H	H	H	Et	F	F	H	OH	H	H
XV-16-2	p-Me-Ph	H	H	CH_3	Et	F	F	H	OH	H	H
XV-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-16-5	p-Me-Ph	H	H	CH_2Ph	Et	F	F	H	OH	H	H
XV-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	F	F	H	OH	H	H
XV-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	H	OH	H	H
XV-16-8	p-Me-Ph	*	H	*	Et	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-17-1	p-F-Ph	H	H	H	Et	F	F	H	OH	H	H
XV-17-2	p-F-Ph	H	H	CH_3	Et	F	F	H	OH	H	H
XV-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-17-5	p-F-Ph	H	H	CH_2Ph	Et	F	F	H	OH	H	H
XV-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	F	F	H	OH	H	H
XV-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	H	OH	H	H
XV-17-8	p-F-Ph	*	H	*	Et	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-18-1	p-Cl-Ph	H	H	H	Et	F	F	H	OH	H	H
XV-18-2	p-Cl-Ph	H	H	CH_3	Et	F	F	H	OH	H	H
XV-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	F	F	H	OH	H	H
XV-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	F	F	H	OH	H	H
XV-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	H	OH	H	H
XV-18-8	p-Cl-Ph	*	H	*	Et	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-19-1	p-Br-Ph	H	H	H	Et	F	F	H	OH	H	H
XV-19-2	p-Br-Ph	H	H	CH_3	Et	F	F	H	OH	H	H
XV-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-19-5	p-Br-Ph	H	H	CH_2Ph	Et	F	F	H	OH	H	H
XV-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	F	F	H	OH	H	H
XV-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	H	OH	H	H
XV-19-8	p-Br-Ph	*	H	*	Et	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-20-1	p-I-Ph	H	H	H	Et	F	F	H	OH	H	H
XV-20-2	p-I-Ph	H	H	CH_3	Et	F	F	H	OH	H	H
XV-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	H	OH	H	H
XV-20-5	p-I-Ph	H	H	CH_2Ph	Et	F	F	H	OH	H	H
XV-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	F	F	H	OH	H	H
XV-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	H	OH	H	H
XV-20-8	p-I-Ph	*	H	*	Et	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-21-1	CH_3	H	H	H	^{i}Pr	F	F	H	OH	H	H
XV-21-2	CH_3	H	H	CH_3	^{i}Pr	F	F	H	OH	H	H
XV-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	F	F	H	OH	H	H
XV-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	H	OH	H	H
XV-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	H	OH	H	H
XV-21-8	CH_3	*	H	*	^{i}Pr	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-22-1	Et	H	H	H	^{i}Pr	F	F	H	OH	H	H
XV-22-2	Et	H	H	CH_3	^{i}Pr	F	F	H	OH	H	H
XV-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-22-5	Et	H	H	CH_2Ph	^{i}Pr	F	F	H	OH	H	H
XV-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	H	OH	H	H
XV-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	H	OH	H	H
XV-22-8	Et	*	H	*	^{i}Pr	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-23-1	^{i}Pr	H	H	H	^{i}Pr	F	F	H	OH	H	H
XV-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	F	F	H	OH	H	H
XV-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	F	F	H	OH	H	H
XV-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	H	OH	H	H
XV-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	H	OH	H	H
XV-23-8	^{i}Pr	*	H	*	^{i}Pr	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-24-1	^{t}Bu	H	H	H	^{i}Pr	F	F	H	OH	H	H
XV-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	F	F	H	OH	H	H
XV-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	F	F	H	OH	H	H
XV-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	H	OH	H	H
XV-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	H	OH	H	H
XV-24-8	^{t}Bu	*	H	*	^{i}Pr	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-25-1	Ph	H	H	H	^{i}Pr	F	F	H	OH	H	H
XV-25-2	Ph	H	H	CH_3	^{i}Pr	F	F	H	OH	H	H
XV-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-25-5	Ph	H	H	CH_2Ph	^{i}Pr	F	F	H	OH	H	H
XV-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	H	OH	H	H
XV-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	H	OH	H	H
XV-25-8	Ph	*	H	*	^{i}Pr	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-26-1	p-Me-Ph	H	H	H	^{i}Pr	F	F	H	OH	H	H
XV-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	F	F	H	OH	H	H
XV-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	F	F	H	OH	H	H
XV-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	H	OH	H	H
XV-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	H	OH	H	H
XV-26-8	p-Me-Ph	*	H	*	^{i}Pr	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-27-1	p-F-Ph	H	H	H	^{i}Pr	F	F	H	OH	H	H
XV-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	F	F	H	OH	H	H
XV-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	F	F	H	OH	H	H
XV-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	H	OH	H	H
XV-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	H	OH	H	H
XV-27-8	p-F-Ph	*	H	*	^{i}Pr	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-28-1	p-Cl-Ph	H	H	H	^{i}Pr	F	F	H	OH	H	H
XV-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	F	F	H	OH	H	H
XV-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	F	F	H	OH	H	H
XV-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	H	OH	H	H
XV-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	H	OH	H	H
XV-28-8	p-Cl-Ph	*	H	*	^{i}Pr	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-29-1	p-Br-Ph	H	H	H	^{i}Pr	F	F	H	OH	H	H
XV-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	F	F	H	OH	H	H
XV-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	F	F	H	OH	H	H
XV-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	H	OH	H	H
XV-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	H	OH	H	H
XV-29-8	p-Br-Ph	*	H	*	^{i}Pr	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-30-1	p-I-Ph	H	H	H	^{i}Pr	F	F	H	OH	H	H
XV-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	F	F	H	OH	H	H
XV-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	H	OH	H	H
XV-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	F	F	H	OH	H	H
XV-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	H	OH	H	H
XV-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	H	OH	H	H
XV-30-8	p-I-Ph	*	H	*	^{i}Pr	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-31-1	CH_3	H	H	H	^{n}Bu	F	F	H	OH	H	H
XV-31-2	CH_3	H	H	CH_3	^{n}Bu	F	F	H	OH	H	H
XV-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	F	F	H	OH	H	H
XV-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	H	OH	H	H
XV-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	H	OH	H	H
XV-31-8	CH_3	*	H	*	^{n}Bu	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-32-1	Et	H	H	H	^{n}Bu	F	F	H	OH	H	H
XV-32-2	Et	H	H	CH_3	^{n}Bu	F	F	H	OH	H	H
XV-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-32-5	Et	H	H	CH_2Ph	^{n}Bu	F	F	H	OH	H	H
XV-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	H	OH	H	H
XV-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	H	OH	H	H
XV-32-8	Et	*	H	*	^{n}Bu	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-33-1	^{i}Pr	H	H	H	^{n}Bu	F	F	H	OH	H	H
XV-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	F	F	H	OH	H	H
XV-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	F	F	H	OH	H	H
XV-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	H	OH	H	H
XV-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	H	OH	H	H
XV-33-8	^{i}Pr	*	H	*	^{n}Bu	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-34-1	^{t}Bu	H	H	H	^{n}Bu	F	F	H	OH	H	H
XV-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	F	F	H	OH	H	H
XV-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	F	F	H	OH	H	H
XV-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	H	OH	H	H
XV-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	H	OH	H	H
XV-34-8	^{t}Bu	*	H	*	^{n}Bu	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-35-1	Ph	H	H	H	^{n}Bu	F	F	H	OH	H	H
XV-35-2	Ph	H	H	CH_3	^{n}Bu	F	F	H	OH	H	H
XV-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-35-5	Ph	H	H	CH_2Ph	^{n}Bu	F	F	H	OH	H	H
XV-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	H	OH	H	H
XV-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	H	OH	H	H
XV-35-8	Ph	*	H	*	^{n}Bu	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-36-1	p-Me-Ph	H	H	H	^{n}Bu	F	F	H	OH	H	H
XV-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	F	F	H	OH	H	H
XV-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	F	F	H	OH	H	H
XV-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	H	OH	H	H
XV-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	H	OH	H	H
XV-36-8	p-Me-Ph	*	H	*	^{n}Bu	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-37-1	p-F-Ph	H	H	H	^{n}Bu	F	F	H	OH	H	H
XV-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	F	F	H	OH	H	H
XV-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	F	F	H	OH	H	H
XV-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	H	OH	H	H
XV-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	H	OH	H	H
XV-37-8	p-F-Ph	*	H	*	^{n}Bu	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-38-1	p-Cl-Ph	H	H	H	^{n}Bu	F	F	H	OH	H	H
XV-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	F	F	H	OH	H	H
XV-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	F	F	H	OH	H	H
XV-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	H	OH	H	H
XV-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	H	OH	H	H
XV-38-8	p-Cl-Ph	*	H	*	^{n}Bu	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-39-1	p-Br-Ph	H	H	H	^{n}Bu	F	F	H	OH	H	H
XV-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	F	F	H	OH	H	H
XV-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	F	F	H	OH	H	H
XV-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	H	OH	H	H
XV-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	H	OH	H	H
XV-39-8	p-Br-Ph	*	H	*	^{n}Bu	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-40-1	p-I-Ph	H	H	H	^{n}Bu	F	F	H	OH	H	H
XV-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	F	F	H	OH	H	H
XV-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	H	OH	H	H
XV-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	F	F	H	OH	H	H
XV-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	H	OH	H	H
XV-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	H	OH	H	H
XV-40-8	p-I-Ph	*	H	*	^{n}Bu	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-41-1	CH_3	H	H	H	Bz	F	F	H	OH	H	H
XV-41-2	CH_3	H	H	CH_3	Bz	F	F	H	OH	H	H
XV-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-41-5	CH_3	H	H	CH_2Ph	Bz	F	F	H	OH	H	H
XV-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	F	F	H	OH	H	H
XV-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	F	F	H	OH	H	H
XV-41-8	CH_3	*	H	*	Bz	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XV-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-42-1	Et	H	H	H	Bz	F	F	H	OH	H	H
XV-42-2	Et	H	H	CH_3	Bz	F	F	H	OH	H	H
XV-42-3	Et	H	H	$CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-42-5	Et	H	H	CH_2Ph	Bz	F	F	H	OH	H	H
XV-42-6	Et	H	H	CH_2-indol-3-yl	Bz	F	F	H	OH	H	H
XV-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	F	F	H	OH	H	H
XV-42-8	Et	*	H	*	Bz	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-43-1	^{i}Pr	H	H	H	Bz	F	F	H	OH	H	H
XV-43-2	^{i}Pr	H	H	CH_3	Bz	F	F	H	OH	H	H
XV-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-43-5	^{i}Pr	H	H	CH_2Ph	Bz	F	F	H	OH	H	H
XV-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	F	F	H	OH	H	H
XV-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	F	F	H	OH	H	H
XV-43-8	^{i}Pr	*	H	*	Bz	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-44-1	^{t}Bu	H	H	H	Bz	F	F	H	OH	H	H
XV-44-2	^{t}Bu	H	H	CH_3	Bz	F	F	H	OH	H	H
XV-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-44-5	^{t}Bu	H	H	CH_2Ph	Bz	F	F	H	OH	H	H
XV-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	F	F	H	OH	H	H
XV-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	F	F	H	OH	H	H
XV-44-8	^{t}Bu	*	H	*	Bz	F	F	H	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-45-1	Ph	H	H	H	Bz	F	F	H	OH	H	H
XV-45-2	Ph	H	H	CH_3	Bz	F	F	H	OH	H	H
XV-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-45-5	Ph	H	H	CH_2Ph	Bz	F	F	H	OH	H	H
XV-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	F	F	H	OH	H	H
XV-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	H	OH	H	H
XV-45-8	Ph	*	H	*	Bz	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-46-1	p-Me-Ph	H	H	H	Bz	F	F	H	OH	H	H
XV-46-2	p-Me-Ph	H	H	CH_3	Bz	F	F	H	OH	H	H
XV-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	F	F	H	OH	H	H
XV-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	F	F	H	OH	H	H
XV-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	H	OH	H	H
XV-46-8	p-Me-Ph	*	H	*	Bz	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-47-1	p-F-Ph	H	H	H	Bz	F	F	H	OH	H	H
XV-47-2	p-F-Ph	H	H	CH_3	Bz	F	F	H	OH	H	H
XV-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-47-5	p-F-Ph	H	H	CH_2Ph	Bz	F	F	H	OH	H	H
XV-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	F	F	H	OH	H	H
XV-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-47-8	p-F-Ph	*	H	*	Bz	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-48-1	p-Cl-Ph	H	H	H	Bz	F	F	H	OH	H	H
XV-48-2	p-Cl-Ph	H	H	CH_3	Bz	F	F	H	OH	H	H
XV-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	F	F	H	OH	H	H
XV-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	F	F	H	OH	H	H
XV-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	H	OH	H	H
XV-48-8	p-Cl-Ph	*	H	*	Bz	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XV-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-49-1	p-Br-Ph	H	H	H	Bz	F	F	H	OH	H	H
XV-49-2	p-Br-Ph	H	H	CH_3	Bz	F	F	H	OH	H	H
XV-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	F	F	H	OH	H	H
XV-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	F	F	H	OH	H	H
XV-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	H	OH	H	H
XV-49-8	p-Br-Ph	*	H	*	Bz	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

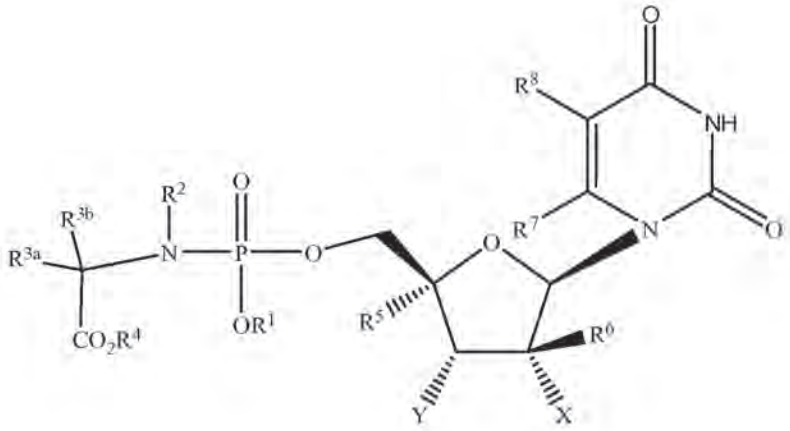
Table XV-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-50-1	p-I-Ph	H	H	H	Bz	F	F	H	OH	H	H
XV-50-2	p-I-Ph	H	H	CH_3	Bz	F	F	H	OH	H	H
XV-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	H	OH	H	H
XV-50-5	p-I-Ph	H	H	CH_2Ph	Bz	F	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XV-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	F	F	H	OH	H	H
XV-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	H	OH	H	H
XV-50-8	p-I-Ph	*	H	*	Bz	F	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.



XVI

Table XVI-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-1-1	CH_3	H	H	H	CH_3	F	F	F	OH	H	H
XVI-1-2	CH_3	H	H	CH_3	CH_3	F	F	F	OH	H	H
XVI-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-1-5	CH_3	H	H	CH_2Ph	CH_3	F	F	F	OH	H	H
XVI-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	F	F	F	OH	H	H
XVI-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	F	OH	H	H
XVI-1-8	CH_3	*	H	*	CH_3	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-2-1	Et	H	H	H	CH_3	F	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-2-2	Et	H	H	CH_3	CH_3	F	F	F	OH	H	H
XVI-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-2-5	Et	H	H	CH_2Ph	CH_3	F	F	F	OH	H	H
XVI-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	F	F	F	OH	H	H
XVI-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	F	OH	H	H
XVI-2-8	Et	*	H	*	CH_3	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-3-1	^{i}Pr	H	H	H	CH_3	F	F	F	OH	H	H
XVI-3-2	^{i}Pr	H	H	CH_3	CH_3	F	F	F	OH	H	H
XVI-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	F	F	F	OH	H	H
XVI-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	F	F	F	OH	H	H
XVI-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	F	OH	H	H
XVI-3-8	^{i}Pr	*	H	*	CH_3	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-4-1	^{t}Bu	H	H	H	CH_3	F	F	F	OH	H	H
XVI-4-2	^{t}Bu	H	H	CH_3	CH_3	F	F	F	OH	H	H
XVI-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	F	F	F	OH	H	H
XVI-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	F	F	F	OH	H	H
XVI-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	F	OH	H	H
XVI-4-8	^{t}Bu	*	H	*	CH_3	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-5.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-5-1	Ph	H	H	H	CH_3	F	F	F	OH	H	H
XVI-5-2	Ph	H	H	CH_3	CH_3	F	F	F	OH	H	H
XVI-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-5-5	Ph	H	H	CH_2Ph	CH_3	F	F	F	OH	H	H
XVI-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	F	OH	H	H
XVI-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	F	OH	H	H
XVI-5-8	Ph	*	H	*	CH_3	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-6-1	p-Me-Ph	H	H	H	CH_3	F	F	F	OH	H	H
XVI-6-2	p-Me-Ph	H	H	CH_3	CH_3	F	F	F	OH	H	H
XVI-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	F	F	F	OH	H	H
XVI-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	F	OH	H	H
XVI-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	F	OH	H	H
XVI-6-8	p-Me-Ph	*	H	*	CH_3	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-7-1	p-F-Ph	H	H	H	CH_3	F	F	F	OH	H	H
XVI-7-2	p-F-Ph	H	H	CH_3	CH_3	F	F	F	OH	H	H
XVI-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	F	F	F	OH	H	H
XVI-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	F	OH	H	H
XVI-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	F	OH	H	H
XVI-7-20	p-F-Ph	*	H	*	CH_3	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-8-1	p-Cl-Ph	H	H	H	CH_3	F	F	F	OH	H	H
XVI-8-2	p-Cl-Ph	H	H	CH_3	CH_3	F	F	F	OH	H	H
XVI-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	F	F	F	OH	H	H
XVI-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	F	OH	H	H
XVI-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	F	OH	H	H
XVI-8-8	p-Cl-Ph	*	H	*	CH_3	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-9-1	p-Br-Ph	H	H	H	CH_3	F	F	F	OH	H	H
XVI-9-2	p-Br-Ph	H	H	CH_3	CH_3	F	F	F	OH	H	H
XVI-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	F	F	F	OH	H	H
XVI-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	F	OH	H	H
XVI-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	F	OH	H	H
XVI-9-20	p-Br-Ph	*	H	*	CH_3	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-10-1	p-I-Ph	H	H	H	CH_3	F	F	F	OH	H	H
XVI-10-2	p-I-Ph	H	H	CH_3	CH_3	F	F	F	OH	H	H
XVI-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	F	F	OH	H	H
XVI-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	F	F	F	OH	H	H
XVI-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	F	F	F	OH	H	H
XVI-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	F	F	OH	H	H
XVI-10-8	p-I-Ph	*	H	*	CH_3	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-11-1	CH_3	H	H	H	Et	F	F	F	OH	H	H
XVI-11-2	CH_3	H	H	CH_3	Et	F	F	F	OH	H	H
XVI-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-11-5	CH_3	H	H	CH_2Ph	Et	F	F	F	OH	H	H
XVI-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	F	F	F	OH	H	H
XVI-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	F	F	F	OH	H	H
XVI-11-8	CH_3	*	H	*	Et	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-12-1	Et	H	H	H	Et	F	F	F	OH	H	H
XVI-12-2	Et	H	H	CH_3	Et	F	F	F	OH	H	H
XVI-12-3	Et	H	H	$CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-12-5	Et	H	H	CH_2Ph	Et	F	F	F	OH	H	H
XVI-12-6	Et	H	H	CH_2-indol-3-yl	Et	F	F	F	OH	H	H
XVI-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	F	F	F	OH	H	H
XVI-12-8	Et	*	H	*	Et	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-13-1	^{i}Pr	H	H	H	Et	F	F	F	OH	H	H
XVI-13-2	^{i}Pr	H	H	CH_3	Et	F	F	F	OH	H	H
XVI-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-13-5	^{i}Pr	H	H	CH_2Ph	Et	F	F	F	OH	H	H
XVI-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	F	F	F	OH	H	H
XVI-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	F	F	F	OH	H	H
XVI-13-8	^{i}Pr	*	H	*	Et	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-14-1	^{t}Bu	H	H	H	Et	F	F	F	OH	H	H
XVI-14-2	^{t}Bu	H	H	CH_3	Et	F	F	F	OH	H	H
XVI-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-14-5	^{t}Bu	H	H	CH_2Ph	Et	F	F	F	OH	H	H
XVI-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	F	F	F	OH	H	H
XVI-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	F	F	F	OH	H	H
XVI-14-8	^{t}Bu	*	H	*	Et	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-15-1	Ph	H	H	H	Et	F	F	F	OH	H	H
XVI-15-2	Ph	H	H	CH_3	Et	F	F	F	OH	H	H
XVI-15-3	Ph	H	H	$CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-15-5	Ph	H	H	CH_2Ph	Et	F	F	F	OH	H	H
XVI-15-6	Ph	H	H	CH_2-indol-3-yl	Et	F	F	F	OH	H	H
XVI-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	F	OH	H	H
XVI-15-8	Ph	*	H	*	Et	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-16-1	p-Me-Ph	H	H	H	Et	F	F	F	OH	H	H
XVI-16-2	p-Me-Ph	H	H	CH_3	Et	F	F	F	OH	H	H
XVI-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-16-5	p-Me-Ph	H	H	CH_2Ph	Et	F	F	F	OH	H	H
XVI-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	F	F	F	OH	H	H
XVI-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	F	OH	H	H
XVI-16-8	p-Me-Ph	*	H	*	Et	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-17-1	p-F-Ph	H	H	H	Et	F	F	F	OH	H	H
XVI-17-2	p-F-Ph	H	H	CH_3	Et	F	F	F	OH	H	H
XVI-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-17-5	p-F-Ph	H	H	CH_2Ph	Et	F	F	F	OH	H	H
XVI-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	F	F	F	OH	H	H
XVI-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	F	OH	H	H
XVI-17-8	p-F-Ph	*	H	*	Et	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-18-1	p-Cl-Ph	H	H	H	Et	F	F	F	OH	H	H
XVI-18-2	p-Cl-Ph	H	H	CH_3	Et	F	F	F	OH	H	H
XVI-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	F	F	F	OH	H	H
XVI-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	F	F	F	OH	H	H
XVI-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	F	OH	H	H
XVI-18-8	p-Cl-Ph	*	H	*	Et	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-19-1	p-Br-Ph	H	H	H	Et	F	F	F	OH	H	H
XVI-19-2	p-Br-Ph	H	H	CH_3	Et	F	F	F	OH	H	H
XVI-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	F	OH	H	H
XVI-19-5	p-Br-Ph	H	H	CH_2Ph	Et	F	F	F	OH	H	H
XVI-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	F	F	F	OH	H	H
XVI-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	F	OH	H	H
XVI-19-8	p-Br-Ph	*	H	*	Et	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7
XVI-20-1	p-I-Ph	H	H	H	Et	F	F	F	OH	H
XVI-20-2	p-I-Ph	H	H	CH_3	Et	F	F	F	OH	H
XVI-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	F	F	F	OH	H
XVI-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	F	F	OH	H
XVI-20-5	p-I-Ph	H	H	CH_2Ph	Et	F	F	F	OH	H
XVI-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	F	F	F	OH	H
XVI-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	F	F	OH	H
XVI-20-8	p-I-Ph	*	H	*	Et	F	F	F	OH	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-21-1	CH_3	H	H	H	^{i}Pr	F	F	F	OH	H	H
XVI-21-2	CH_3	H	H	CH_3	^{i}Pr	F	F	F	OH	H	H
XVI-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	F	F	F	OH	H	H
XVI-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	F	OH	H	H
XVI-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	F	OH	H	H
XVI-21-8	CH_3	*	H	*	^{i}Pr	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-22-1	Et	H	H	H	^{i}Pr	F	F	F	OH	H	H
XVI-22-2	Et	H	H	CH_3	^{i}Pr	F	F	F	OH	H	H
XVI-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-22-5	Et	H	H	CH_2Ph	^{i}Pr	F	F	F	OH	H	H
XVI-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	F	OH	H	H
XVI-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	F	OH	H	H
XVI-22-8	Et	*	H	*	^{i}Pr	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-23-1	^{i}Pr	H	H	H	^{i}Pr	F	F	F	OH	H	H
XVI-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	F	F	F	OH	H	H
XVI-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	F	F	F	OH	H	H
XVI-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	F	OH	H	H
XVI-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	F	OH	H	H
XVI-23-8	^{i}Pr	*	H	*	^{i}Pr	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-24-1	^{t}Bu	H	H	H	^{i}Pr	F	F	F	OH	H	H
XVI-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	F	F	F	OH	H	H
XVI-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	F	F	F	OH	H	H
XVI-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	F	OH	H	H
XVI-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	F	OH	H	H
XVI-24-8	^{t}Bu	*	H	*	^{i}Pr	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-25-1	Ph	H	H	H	^{i}Pr	F	F	F	OH	H	H
XVI-25-2	Ph	H	H	CH_3	^{i}Pr	F	F	F	OH	H	H
XVI-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-25-5	Ph	H	H	CH_2Ph	^{i}Pr	F	F	F	OH	H	H
XVI-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	F	OH	H	H
XVI-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	F	OH	H	H
XVI-25-8	Ph	*	H	*	^{i}Pr	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-26-1	p-Me-Ph	H	H	H	^{i}Pr	F	F	F	OH	H	H
XVI-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	F	F	F	OH	H	H
XVI-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	F	F	F	OH	H	H
XVI-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	F	OH	H	H
XVI-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	F	OH	H	H
XVI-26-8	p-Me-Ph	*	H	*	^{i}Pr	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-27-1	p-F-Ph	H	H	H	^{i}Pr	F	F	F	OH	H	H
XVI-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	F	F	F	OH	H	H
XVI-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	F	F	F	OH	H	H
XVI-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	F	OH	H	H
XVI-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	F	OH	H	H
XVI-27-8	p-F-Ph	*	H	*	^{i}Pr	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-28-1	p-Cl-Ph	H	H	H	^{i}Pr	F	F	F	OH	H	H
XVI-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	F	F	F	OH	H	H
XVI-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	F	F	F	OH	H	H
XVI-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	F	OH	H	H
XVI-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	F	OH	H	H
XVI-28-8	p-Cl-Ph	*	H	*	^{i}Pr	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-29-1	p-Br-Ph	H	H	H	^{i}Pr	F	F	F	OH	H	H
XVI-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	F	F	F	OH	H	H
XVI-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	F	F	F	OH	H	H
XVI-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	F	OH	H	H
XVI-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	F	OH	H	H
XVI-29-8	p-Br-Ph	*	H	*	^{i}Pr	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-30-1	p-I-Ph	H	H	H	^{i}Pr	F	F	F	OH	H	H
XVI-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	F	F	F	OH	H	H
XVI-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	F	F	OH	H	H
XVI-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	F	F	F	OH	H	H
XVI-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	F	F	OH	H	H
XVI-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	F	F	OH	H	H
XVI-30-8	p-I-Ph	*	H	*	^{i}Pr	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-31-1	CH_3	H	H	H	^{n}Bu	F	F	F	OH	H	H
XVI-31-2	CH_3	H	H	CH_3	^{n}Bu	F	F	F	OH	H	H
XVI-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	F	F	F	OH	H	H
XVI-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	F	OH	H	H
XVI-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	F	OH	H	H
XVI-31-8	CH_3	*	H	*	^{n}Bu	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-32-1	Et	H	H	H	^{n}Bu	F	F	F	OH	H	H
XVI-32-2	Et	H	H	CH_3	^{n}Bu	F	F	F	OH	H	H
XVI-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-32-5	Et	H	H	CH_2Ph	^{n}Bu	F	F	F	OH	H	H
XVI-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	F	OH	H	H
XVI-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	F	OH	H	H
XVI-32-8	Et	*	H	*	^{n}Bu	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-33-1	^{i}Pr	H	H	H	^{n}Bu	F	F	F	OH	H	H
XVI-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	F	F	F	OH	H	H
XVI-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	F	F	F	OH	H	H
XVI-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	F	OH	H	H
XVI-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	F	OH	H	H
XVI-33-8	^{i}Pr	*	H	*	^{n}Bu	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-34-1	^{t}Bu	H	H	H	^{n}Bu	F	F	F	OH	H	H
XVI-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	F	F	F	OH	H	H
XVI-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	F	F	F	OH	H	H
XVI-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	F	OH	H	H
XVI-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	F	OH	H	H
XVI-34-8	^{t}Bu	*	H	*	^{n}Bu	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-35-1	Ph	H	H	H	^{n}Bu	F	F	F	OH	H	H
XVI-35-2	Ph	H	H	CH_3	^{n}Bu	F	F	F	OH	H	H
XVI-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-35-5	Ph	H	H	CH_2Ph	^{n}Bu	F	F	F	OH	H	H
XVI-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	F	OH	H	H
XVI-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	F	OH	H	H
XVI-35-8	Ph	*	H	*	^{n}Bu	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-36-1	p-Me-Ph	H	H	H	^{n}Bu	F	F	F	OH	H	H
XVI-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	F	F	F	OH	H	H
XVI-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	F	F	F	OH	H	H
XVI-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	F	OH	H	H
XVI-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	F	OH	H	H
XVI-36-8	p-Me-Ph	*	H	*	^{n}Bu	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-37-1	p-F-Ph	H	H	H	^{n}Bu	F	F	F	OH	H	H
XVI-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	F	F	F	OH	H	H
XVI-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	F	F	F	OH	H	H
XVI-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	F	OH	H	H
XVI-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	F	OH	H	H
XVI-37-8	p-F-Ph	*	H	*	^{n}Bu	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-38-1	p-Cl-Ph	H	H	H	^{n}Bu	F	F	F	OH	H	H
XVI-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	F	F	F	OH	H	H
XVI-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	F	F	F	OH	H	H
XVI-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	F	OH	H	H
XVI-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	F	OH	H	H
XVI-38-8	p-Cl-Ph	*	H	*	^{n}Bu	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-39-1	p-Br-Ph	H	H	H	^{n}Bu	F	F	F	OH	H	H
XVI-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	F	F	F	OH	H	H
XVI-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	F	F	F	OH	H	H
XVI-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	F	OH	H	H
XVI-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	F	OH	H	H
XVI-39-8	p-Br-Ph	*	H	*	^{n}Bu	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-40-1	p-I-Ph	H	H	H	^{n}Bu	F	F	F	OH	H	H
XVI-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	F	F	F	OH	H	H
XVI-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	F	F	OH	H	H
XVI-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	F	F	F	OH	H	H
XVI-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	F	F	OH	H	H
XVI-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	F	F	OH	H	H
XVI-40-8	p-I-Ph	*	H	*	^{n}Bu	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVI-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-41-1	CH_3	H	H	H	Bz	F	F	F	OH	H	H
XVI-41-2	CH_3	H	H	CH_3	Bz	F	F	F	OH	H	H
XVI-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVI-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVI-41-5	CH_3	H	H	CH_2Ph	Bz	F	F	F	OH	H	H
XVI-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	F	F	F	OH	H	H
XVI-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	F	F	F	OH	H	H
XVI-41-8	CH_3	*	H	*	Bz	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-42-1	Et	H	H	H	Bz	F	F	F	OH	H	H
XVI-42-2	Et	H	H	CH_3	Bz	F	F	F	OH	H	H
XVI-42-3	Et	H	H	$CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVI-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVI-42-5	Et	H	H	CH_2Ph	Bz	F	F	F	OH	H	H
XVI-42-6	Et	H	H	CH_2-indol-3-yl	Bz	F	F	F	OH	H	H
XVI-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	F	F	F	OH	H	H
XVI-42-8	Et	*	H	*	Bz	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-43-1	^{i}Pr	H	H	H	Bz	F	F	F	OH	H	H
XVI-43-2	^{i}Pr	H	H	CH_3	Bz	F	F	F	OH	H	H
XVI-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVI-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVI-43-5	^{i}Pr	H	H	CH_2Ph	Bz	F	F	F	OH	H	H
XVI-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	F	F	F	OH	H	H
XVI-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	F	F	F	OH	H	H
XVI-43-8	^{i}Pr	*	H	*	Bz	F	F	F	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVI-44-1	^{t}Bu	H	H	H	Bz	F	F	F	OH	H	H
XVI-44-2	^{t}Bu	H	H	CH_3	Bz	F	F	F	OH	H	H
XVI-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVI-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVI-44-5	^{t}Bu	H	H	CH_2Ph	Bz	F	F	F	OH	H	H
XVI-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	F	F	F	OH	H	H
XVI-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	F	F	F	OH	H	H
XVI-44-8	^{t}Bu	*	H	*	Bz	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-45-1	Ph	H	H	H	Bz	F	F	F	OH	H	H
XVII-45-2	Ph	H	H	CH_3	Bz	F	F	F	OH	H	H
XVII-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-45-5	Ph	H	H	CH_2Ph	Bz	F	F	F	OH	H	H
XVII-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	F	F	F	OH	H	H
XVII-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	F	OH	H	H
XVII-45-8	Ph	*	H	*	Bz	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-46-1	p-Me-Ph	H	H	H	Bz	F	F	F	OH	H	H
XVII-46-2	p-Me-Ph	H	H	CH_3	Bz	F	F	F	OH	H	H
XVII-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	F	F	F	OH	H	H
XVII-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	F	F	F	OH	H	H
XVII-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-46-8	p-Me-Ph	*	H	*	Bz	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-47-1	p-F-Ph	H	H	H	Bz	F	F	F	OH	H	H
XVII-47-2	p-F-Ph	H	H	CH_3	Bz	F	F	F	OH	H	H
XVII-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-47-5	p-F-Ph	H	H	CH_2Ph	Bz	F	F	F	OH	H	H
XVII-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	F	F	F	OH	H	H
XVII-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	F	OH	H	H
XVII-47-8	p-F-Ph	*	H	*	Bz	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-48-1	p-Cl-Ph	H	H	H	Bz	F	F	F	OH	H	H
XVII-48-2	p-Cl-Ph	H	H	CH_3	Bz	F	F	F	OH	H	H
XVII-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	F	F	F	OH	H	H
XVII-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	F	F	F	OH	H	H
XVII-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	F	OH	H	H
XVII-48-8	p-Cl-Ph	*	H	*	Bz	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-49-1	p-Br-Ph	H	H	H	Bz	F	F	F	OH	H	H
XVII-49-2	p-Br-Ph	H	H	CH_3	Bz	F	F	F	OH	H	H
XVII-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	F	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	F	F	F	OH	H	H
XVII-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	F	OH	H	H
XVII-49-8	p-Br-Ph	*	H	*	Bz	F	F	F	OH	H	H

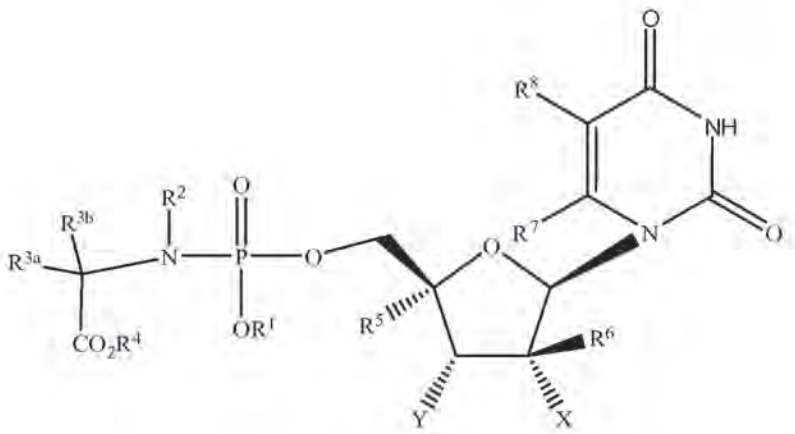
*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVI-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-50-1	p-I-Ph	H	H	H	Bz	F	F	F	OH	H	H
XVII-50-2	p-I-Ph	H	H	CH_3	Bz	F	F	F	OH	H	H
XVII-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	F	F	OH	H	H
XVII-50-5	p-I-Ph	H	H	CH_2Ph	Bz	F	F	F	OH	H	H
XVII-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	F	F	F	OH	H	H
XVII-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	F	F	OH	H	H
XVII-50-8	p-I-Ph	*	H	*	Bz	F	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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XVII

Table XVII-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-1-1	CH_3	H	H	H	CH_3	F	H	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-1-2	CH_3	H	H	CH_3	CH_3	F	H	F	OH	H	H
XVII-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-1-5	CH_3	H	H	CH_2Ph	CH_3	F	H	F	OH	H	H
XVII-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	F	H	F	OH	H	H
XVII-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	F	H	F	OH	H	H
XVII-1-8	CH_3	*	H	*	CH_3	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-2-1	Et	H	H	H	CH_3	F	H	F	OH	H	H
XVII-2-2	Et	H	H	CH_3	CH_3	F	H	F	OH	H	H
XVII-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-2-5	Et	H	H	CH_2Ph	CH_3	F	H	F	OH	H	H
XVII-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	F	H	F	OH	H	H
XVII-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	F	H	F	OH	H	H
XVII-2-8	Et	*	H	*	CH_3	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-3-1	^{i}Pr	H	H	H	CH_3	F	H	F	OH	H	H
XVII-3-2	^{i}Pr	H	H	CH_3	CH_3	F	H	F	OH	H	H
XVII-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	F	H	F	OH	H	H
XVII-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	F	H	F	OH	H	H
XVII-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	F	H	F	OH	H	H
XVII-3-8	^{i}Pr	*	H	*	CH_3	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-4.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-4-1	^{t}Bu	H	H	H	CH_3	F	H	F	OH	H	H
XVII-4-2	^{t}Bu	H	H	CH_3	CH_3	F	H	F	OH	H	H
XVII-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	F	H	F	OH	H	H
XVII-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	F	H	F	OH	H	H
XVII-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	F	H	F	OH	H	H
XVII-4-8	^{t}Bu	*	H	*	CH_3	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-5-1	Ph	H	H	H	CH_3	F	H	F	OH	H	H
XVII-5-2	Ph	H	H	CH_3	CH_3	F	H	F	OH	H	H
XVII-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-5-5	Ph	H	H	CH_2Ph	CH_3	F	H	F	OH	H	H
XVII-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	F	H	F	OH	H	H
XVII-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	H	F	OH	H	H
XVII-5-8	Ph	*	H	*	CH_3	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-6-1	p-Me-Ph	H	H	H	CH_3	F	H	F	OH	H	H
XVII-6-2	p-Me-Ph	H	H	CH_3	CH_3	F	H	F	OH	H	H
XVII-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	F	H	F	OH	H	H
XVII-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	F	H	F	OH	H	H
XVII-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	H	F	OH	H	H
XVII-6-8	p-Me-Ph	*	H	*	CH_3	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-7-1	p-F-Ph	H	H	H	CH_3	F	H	F	OH	H	H
XVII-7-2	p-F-Ph	H	H	CH_3	CH_3	F	H	F	OH	H	H
XVII-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	F	H	F	OH	H	H
XVII-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	F	H	F	OH	H	H
XVII-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	H	F	OH	H	H
XVII-7-20	p-F-Ph	*	H	*	CH_3	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-8-1	p-Cl-Ph	H	H	H	CH_3	F	H	F	OH	H	H
XVII-8-2	p-Cl-Ph	H	H	CH_3	CH_3	F	H	F	OH	H	H
XVII-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	F	H	F	OH	H	H
XVII-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	F	H	F	OH	H	H
XVII-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	H	F	OH	H	H
XVII-8-8	p-Cl-Ph	*	H	*	CH_3	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-9-1	p-Br-Ph	H	H	H	CH_3	F	H	F	OH	H	H
XVII-9-2	p-Br-Ph	H	H	CH_3	CH_3	F	H	F	OH	H	H
XVII-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	F	H	F	OH	H	H
XVII-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	F	H	F	OH	H	H
XVII-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	H	F	OH	H	H
XVII-9-20	p-Br-Ph	*	H	*	CH_3	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-10-1	p-I-Ph	H	H	H	CH_3	F	H	F	OH	H	H
XVII-10-2	p-I-Ph	H	H	CH_3	CH_3	F	H	F	OH	H	H
XVII-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	F	H	F	OH	H	H
XVII-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	F	H	F	OH	H	H
XVII-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	F	H	F	OH	H	H
XVII-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	F	H	F	OH	H	H
XVII-10-8	p-I-Ph	*	H	*	CH_3	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-11-1	CH_3	H	H	H	Et	F	H	F	OH	H	H
XVII-11-2	CH_3	H	H	CH_3	Et	F	H	F	OH	H	H
XVII-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-11-5	CH_3	H	H	CH_2Ph	Et	F	H	F	OH	H	H
XVII-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	F	H	F	OH	H	H
XVII-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	F	H	F	OH	H	H
XVII-11-8	CH_3	*	H	*	Et	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-12-1	Et	H	H	H	Et	F	H	F	OH	H	H
XVII-12-2	Et	H	H	CH_3	Et	F	H	F	OH	H	H
XVII-12-3	Et	H	H	$CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-12-5	Et	H	H	CH_2Ph	Et	F	H	F	OH	H	H
XVII-12-6	Et	H	H	CH_2-indol-3-yl	Et	F	H	F	OH	H	H
XVII-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	F	H	F	OH	H	H
XVII-12-8	Et	*	H	*	Et	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-13-1	^{i}Pr	H	H	H	Et	F	H	F	OH	H	H
XVII-13-2	^{i}Pr	H	H	CH_3	Et	F	H	F	OH	H	H
XVII-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-13-5	^{i}Pr	H	H	CH_2Ph	Et	F	H	F	OH	H	H
XVII-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	F	H	F	OH	H	H
XVII-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	F	H	F	OH	H	H
XVII-13-8	^{i}Pr	*	H	*	Et	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-14-1	^{t}Bu	H	H	H	Et	F	H	F	OH	H	H
XVII-14-2	^{t}Bu	H	H	CH_3	Et	F	H	F	OH	H	H
XVII-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-14-5	^{t}Bu	H	H	CH_2Ph	Et	F	H	F	OH	H	H
XVII-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	F	H	F	OH	H	H
XVII-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	F	H	F	OH	H	H
XVII-14-8	^{t}Bu	*	H	*	Et	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-15-1	Ph	H	H	H	Et	F	H	F	OH	H	H
XVII-15-2	Ph	H	H	CH_3	Et	F	H	F	OH	H	H
XVII-15-3	Ph	H	H	$CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-15-5	Ph	H	H	CH_2Ph	Et	F	H	F	OH	H	H
XVII-15-6	Ph	H	H	CH_2-indol-3-yl	Et	F	H	F	OH	H	H
XVII-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	F	H	F	OH	H	H
XVII-15-8	Ph	*	H	*	Et	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-16-1	p-Me-Ph	H	H	H	Et	F	H	F	OH	H	H
XVII-16-2	p-Me-Ph	H	H	CH_3	Et	F	H	F	OH	H	H
XVII-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-16-5	p-Me-Ph	H	H	CH_2Ph	Et	F	H	F	OH	H	H
XVII-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	F	H	F	OH	H	H
XVII-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	H	F	OH	H	H
XVII-16-8	p-Me-Ph	*	H	*	Et	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-17-1	p-F-Ph	H	H	H	Et	F	H	F	OH	H	H
XVII-17-2	p-F-Ph	H	H	CH_3	Et	F	H	F	OH	H	H
XVII-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-17-5	p-F-Ph	H	H	CH_2Ph	Et	F	H	F	OH	H	H
XVII-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	F	H	F	OH	H	H
XVII-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	H	F	OH	H	H
XVII-17-8	p-F-Ph	*	H	*	Et	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-18-1	p-Cl-Ph	H	H	H	Et	F	H	F	OH	H	H
XVII-18-2	p-Cl-Ph	H	H	CH_3	Et	F	H	F	OH	H	H
XVII-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	F	H	F	OH	H	H
XVII-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	F	H	F	OH	H	H
XVII-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	H	F	OH	H	H
XVII-18-8	p-Cl-Ph	*	H	*	Et	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-19-1	p-Br-Ph	H	H	H	Et	F	H	F	OH	H	H
XVII-19-2	p-Br-Ph	H	H	CH_3	Et	F	H	F	OH	H	H
XVII-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-19-5	p-Br-Ph	H	H	CH_2Ph	Et	F	H	F	OH	H	H
XVII-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	F	H	F	OH	H	H
XVII-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	H	F	OH	H	H
XVII-19-8	p-Br-Ph	*	H	*	Et	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-20-1	p-I-Ph	H	H	H	Et	F	H	F	OH	H	H
XVII-20-2	p-I-Ph	H	H	CH_3	Et	F	H	F	OH	H	H
XVII-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	F	H	F	OH	H	H
XVII-20-5	p-I-Ph	H	H	CH_2Ph	Et	F	H	F	OH	H	H
XVII-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	F	H	F	OH	H	H
XVII-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	F	H	F	OH	H	H
XVII-20-8	p-I-Ph	*	H	*	Et	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-21-1	CH_3	H	H	H	^{i}Pr	F	H	F	OH	H	H
XVII-21-2	CH_3	H	H	CH_3	^{i}Pr	F	H	F	OH	H	H
XVII-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	F	H	F	OH	H	H
XVII-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	F	H	F	OH	H	H
XVII-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	H	F	OH	H	H
XVII-21-8	CH_3	*	H	*	^{i}Pr	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-22-1	Et	H	H	H	^{i}Pr	F	H	F	OH	H	H
XVII-22-2	Et	H	H	CH_3	^{i}Pr	F	H	F	OH	H	H
XVII-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-22-5	Et	H	H	CH_2Ph	^{i}Pr	F	H	F	OH	H	H
XVII-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	F	H	F	OH	H	H
XVII-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	H	F	OH	H	H
XVII-22-8	Et	*	H	*	^{i}Pr	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-23-1	^{i}Pr	H	H	H	^{i}Pr	F	H	F	OH	H	H
XVII-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	F	H	F	OH	H	H
XVII-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	F	H	F	OH	H	H
XVII-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	F	H	F	OH	H	H
XVII-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	H	F	OH	H	H
XVII-23-8	^{i}Pr	*	H	*	^{i}Pr	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-24-1	^{t}Bu	H	H	H	^{i}Pr	F	H	F	OH	H	H
XVII-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	F	H	F	OH	H	H
XVII-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	F	H	F	OH	H	H
XVII-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	F	H	F	OH	H	H
XVII-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	H	F	OH	H	H
XVII-24-8	^{t}Bu	*	H	*	^{i}Pr	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-25-1	Ph	H	H	H	^{i}Pr	F	H	F	OH	H	H
XVII-25-2	Ph	H	H	CH_3	^{i}Pr	F	H	F	OH	H	H
XVII-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-25-5	Ph	H	H	CH_2Ph	^{i}Pr	F	H	F	OH	H	H
XVII-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	H	F	OH	H	H
XVII-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	H	F	OH	H	H
XVII-25-8	Ph	*	H	*	^{i}Pr	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-26-1	p-Me-Ph	H	H	H	^{i}Pr	F	H	F	OH	H	H
XVII-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	F	H	F	OH	H	H
XVII-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	F	H	F	OH	H	H
XVII-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	H	F	OH	H	H
XVII-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	H	F	OH	H	H
XVII-26-8	p-Me-Ph	*	H	*	^{i}Pr	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-27-1	p-F-Ph	H	H	H	^{i}Pr	F	H	F	OH	H	H
XVII-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	F	H	F	OH	H	H
XVII-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	F	H	F	OH	H	H
XVII-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	H	F	OH	H	H
XVII-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	H	F	OH	H	H
XVII-27-8	p-F-Ph	*	H	*	^{i}Pr	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-28-1	p-Cl-Ph	H	H	H	^{i}Pr	F	H	F	OH	H	H
XVII-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	F	H	F	OH	H	H
XVII-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	F	H	F	OH	H	H
XVII-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	H	F	OH	H	H
XVII-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	H	F	OH	H	H
XVII-28-8	p-Cl-Ph	*	H	*	^{i}Pr	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-29-1	p-Br-Ph	H	H	H	^{i}Pr	F	H	F	OH	H	H
XVII-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	F	H	F	OH	H	H
XVII-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	F	H	F	OH	H	H
XVII-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	H	F	OH	H	H
XVII-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	H	F	OH	H	H
XVII-29-8	p-Br-Ph	*	H	*	^{i}Pr	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-30-1	p-I-Ph	H	H	H	^{i}Pr	F	H	F	OH	H	H
XVII-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	F	H	F	OH	H	H
XVII-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	F	H	F	OH	H	H
XVII-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	F	H	F	OH	H	H
XVII-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	F	H	F	OH	H	H
XVII-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	F	H	F	OH	H	H
XVII-30-8	p-I-Ph	*	H	*	^{i}Pr	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-31-1	CH_3	H	H	H	^{n}Bu	F	H	F	OH	H	H
XVII-31-2	CH_3	H	H	CH_3	^{n}Bu	F	H	F	OH	H	H
XVII-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	F	H	F	OH	H	H
XVII-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	F	H	F	OH	H	H
XVII-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	H	F	OH	H	H
XVII-31-8	CH_3	*	H	*	^{n}Bu	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-32-1	Et	H	H	H	^{n}Bu	F	H	F	OH	H	H
XVII-32-2	Et	H	H	CH_3	^{n}Bu	F	H	F	OH	H	H
XVII-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-32-5	Et	H	H	CH_2Ph	^{n}Bu	F	H	F	OH	H	H
XVII-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	F	H	F	OH	H	H
XVII-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	H	F	OH	H	H
XVII-32-8	Et	*	H	*	^{n}Bu	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-33-1	^{i}Pr	H	H	H	^{n}Bu	F	H	F	OH	H	H
XVII-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	F	H	F	OH	H	H
XVII-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	F	H	F	OH	H	H
XVII-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	F	H	F	OH	H	H
XVII-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	H	F	OH	H	H
XVII-33-8	^{i}Pr	*	H	*	^{n}Bu	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-34-1	^{t}Bu	H	H	H	^{n}Bu	F	H	F	OH	H	H
XVII-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	F	H	F	OH	H	H
XVII-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	F	H	F	OH	H	H
XVII-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	F	H	F	OH	H	H
XVII-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	H	F	OH	H	H
XVII-34-8	^{t}Bu	*	H	*	^{n}Bu	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-35-1	Ph	H	H	H	^{n}Bu	F	H	F	OH	H	H
XVII-35-2	Ph	H	H	CH_3	^{n}Bu	F	H	F	OH	H	H
XVII-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-35-5	Ph	H	H	CH_2Ph	^{n}Bu	F	H	F	OH	H	H
XVII-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	H	F	OH	H	H
XVII-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	H	F	OH	H	H
XVII-35-8	Ph	*	H	*	^{n}Bu	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-36-1	p-Me-Ph	H	H	H	^{n}Bu	F	H	F	OH	H	H
XVII-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	F	H	F	OH	H	H
XVII-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	F	H	F	OH	H	H
XVII-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	H	F	OH	H	H
XVII-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	H	F	OH	H	H
XVII-36-8	p-Me-Ph	*	H	*	^{n}Bu	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-37-1	p-F-Ph	H	H	H	^{n}Bu	F	H	F	OH	H	H
XVII-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	F	H	F	OH	H	H
XVII-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	F	H	F	OH	H	H
XVII-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	H	F	OH	H	H
XVII-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	H	F	OH	H	H
XVII-37-8	p-F-Ph	*	H	*	^{n}Bu	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-38-1	p-Cl-Ph	H	H	H	^{n}Bu	F	H	F	OH	H	H
XVII-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	F	H	F	OH	H	H
XVII-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	F	H	F	OH	H	H
XVII-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	H	F	OH	H	H
XVII-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	H	F	OH	H	H
XVII-38-8	p-Cl-Ph	*	H	*	^{n}Bu	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-39-1	p-Br-Ph	H	H	H	^{n}Bu	F	H	F	OH	H	H
XVII-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	F	H	F	OH	H	H
XVII-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	F	H	F	OH	H	H
XVII-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	H	F	OH	H	H
XVII-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	H	F	OH	H	H
XVII-39-8	p-Br-Ph	*	H	*	^{n}Bu	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-40-1	p-I-Ph	H	H	H	^{n}Bu	F	H	F	OH	H	H
XVII-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	F	H	F	OH	H	H
XVII-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	F	H	F	OH	H	H
XVII-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	F	H	F	OH	H	H
XVII-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	F	H	F	OH	H	H
XVII-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	F	H	F	OH	H	H
XVII-40-8	p-I-Ph	*	H	*	^{n}Bu	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-41-1	CH_3	H	H	H	Bz	F	H	F	OH	H	H
XVII-41-2	CH_3	H	H	CH_3	Bz	F	H	F	OH	H	H
XVII-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-41-5	CH_3	H	H	CH_2Ph	Bz	F	H	F	OH	H	H
XVII-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	F	H	F	OH	H	H
XVII-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	F	H	F	OH	H	H
XVII-41-8	CH_3	*	H	*	Bz	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-42-1	Et	H	H	H	Bz	F	H	F	OH	H	H
XVII-42-2	Et	H	H	CH_3	Bz	F	H	F	OH	H	H
XVII-42-3	Et	H	H	$CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-42-5	Et	H	H	CH_2Ph	Bz	F	H	F	OH	H	H
XVII-42-6	Et	H	H	CH_2-indol-3-yl	Bz	F	H	F	OH	H	H
XVII-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	F	H	F	OH	H	H
XVII-42-8	Et	*	H	*	Bz	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVII-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-43-1	^{i}Pr	H	H	H	Bz	F	H	F	OH	H	H
XVII-43-2	^{i}Pr	H	H	CH_3	Bz	F	H	F	OH	H	H
XVII-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-43-5	^{i}Pr	H	H	CH_2Ph	Bz	F	H	F	OH	H	H
XVII-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	F	H	F	OH	H	H
XVII-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	F	H	F	OH	H	H
XVII-43-8	^{i}Pr	*	H	*	Bz	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-44-1	^{t}Bu	H	H	H	Bz	F	H	F	OH	H	H
XVII-44-2	^{t}Bu	H	H	CH_3	Bz	F	H	F	OH	H	H
XVII-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-44-5	^{t}Bu	H	H	CH_2Ph	Bz	F	H	F	OH	H	H
XVII-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	F	H	F	OH	H	H
XVII-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	F	H	F	OH	H	H
XVII-44-8	^{t}Bu	*	H	*	Bz	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-45-1	Ph	H	H	H	Bz	F	H	F	OH	H	H
XVII-45-2	Ph	H	H	CH_3	Bz	F	H	F	OH	H	H
XVII-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-45-5	Ph	H	H	CH_2Ph	Bz	F	H	F	OH	H	H
XVII-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	F	H	F	OH	H	H
XVII-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	H	F	OH	H	H
XVII-45-8	Ph	*	H	*	Bz	F	H	F	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-46-1	p-Me-Ph	H	H	H	Bz	F	H	F	OH	H	H
XVII-46-2	p-Me-Ph	H	H	CH_3	Bz	F	H	F	OH	H	H
XVII-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	F	H	F	OH	H	H
XVII-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	F	H	F	OH	H	H
XVII-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	H	F	OH	H	H
XVII-46-8	p-Me-Ph	*	H	*	Bz	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-47-1	p-F-Ph	H	H	H	Bz	F	H	F	OH	H	H
XVII-47-2	p-F-Ph	H	H	CH_3	Bz	F	H	F	OH	H	H
XVII-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-47-5	p-F-Ph	H	H	CH_2Ph	Bz	F	H	F	OH	H	H
XVII-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	F	H	F	OH	H	H
XVII-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	H	F	OH	H	H
XVII-47-8	p-F-Ph	*	H	*	Bz	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-48-1	p-Cl-Ph	H	H	H	Bz	F	H	F	OH	H	H
XVII-48-2	p-Cl-Ph	H	H	CH_3	Bz	F	H	F	OH	H	H
XVII-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	F	H	F	OH	H	H
XVII-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	F	H	F	OH	H	H
XVII-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	H	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-48-8	p-Cl-Ph	*	H	*	Bz	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-49-1	p-Br-Ph	H	H	H	Bz	F	H	F	OH	H	H
XVII-49-2	p-Br-Ph	H	H	CH_3	Bz	F	H	F	OH	H	H
XVII-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	F	H	F	OH	H	H
XVII-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	F	H	F	OH	H	H
XVII-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	H	F	OH	H	H
XVII-49-8	p-Br-Ph	*	H	*	Bz	F	H	F	OH	H	H

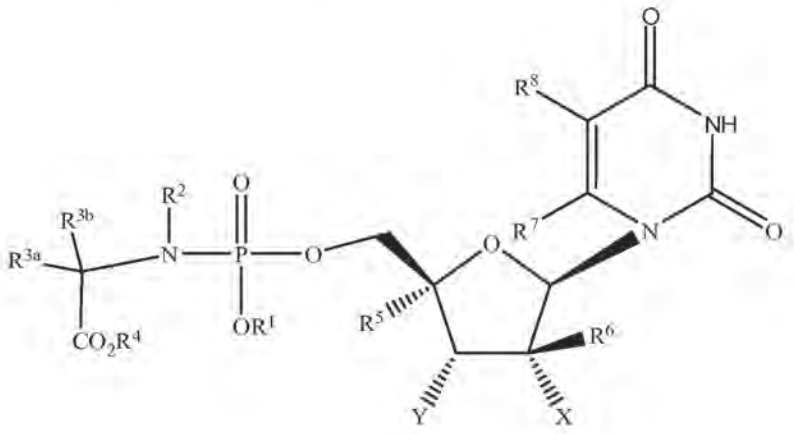
*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVII-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVII-50-1	p-I-Ph	H	H	H	Bz	F	H	F	OH	H	H
XVII-50-2	p-I-Ph	H	H	CH_3	Bz	F	H	F	OH	H	H
XVII-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	F	H	F	OH	H	H
XVII-50-5	p-I-Ph	H	H	CH_2Ph	Bz	F	H	F	OH	H	H
XVII-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	F	H	F	OH	H	H
XVII-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	F	H	F	OH	H	H
XVII-50-8	p-I-Ph	*	H	*	Bz	F	H	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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XVIII

Table XVIII-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-1-1	CH_3	H	H	H	CH_3	OCH_3	F	H	OH	H	H
XVIII-1-2	CH_3	H	H	CH_3	CH_3	OCH_3	F	H	OH	H	H
XVIII-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-1-5	CH_3	H	H	CH_2Ph	CH_3	OCH_3	F	H	OH	H	H
XVIII-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	H	OH	H	H
XVIII-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	H	OH	H	H
XVIII-1-8	CH_3	*	H	*	CH_3	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-2-1	Et	H	H	H	CH_3	OCH_3	F	H	OH	H	H
XVIII-2-2	Et	H	H	CH_3	CH_3	OCH_3	F	H	OH	H	H
XVIII-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-2-5	Et	H	H	CH_2Ph	CH_3	OCH_3	F	H	OH	H	H
XVIII-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	H	OH	H	H
XVIII-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	H	OH	H	H
XVIII-2-8	Et	*	H	*	CH_3	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVIII-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-3-1	^{i}Pr	H	H	H	CH_3	OCH_3	F	H	OH	H	H
XVIII-3-2	^{i}Pr	H	H	CH_3	CH_3	OCH_3	F	H	OH	H	H
XVIII-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	OCH_3	F	H	OH	H	H
XVIII-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	H	OH	H	H
XVIII-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	H	OH	H	H
XVIII-3-8	^{i}Pr	*	H	*	CH_3	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-4.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-4-1	^{t}Bu	H	H	H	CH_3	OCH_3	F	H	OH	H	H
XVIII-4-2	^{t}Bu	H	H	CH_3	CH_3	OCH_3	F	H	OH	H	H
XVIII-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	OCH_3	F	H	OH	H	H
XVIII-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	H	OH	H	H
XVIII-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	H	OH	H	H
XVIII-4-8	^{t}Bu	*	H	*	CH_3	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-5-1	Ph	H	H	H	CH_3	OCH_3	F	H	OH	H	H
XVIII-5-2	Ph	H	H	CH_3	CH_3	OCH_3	F	H	OH	H	H
XVIII-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-5-5	Ph	H	H	CH_2Ph	CH_3	OCH_3	F	H	OH	H	H
XVIII-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	H	OH	H	H
XVIII-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	H	OH	H	H
XVIII-5-8	Ph	*	H	*	CH_3	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVIII-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-6-1	p-Me-Ph	H	H	H	CH_3	OCH_3	F	H	OH	H	H
XVIII-6-2	p-Me-Ph	H	H	CH_3	CH_3	OCH_3	F	H	OH	H	H
XVIII-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	OCH_3	F	H	OH	H	H
XVIII-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	H	OH	H	H
XVIII-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	H	OH	H	H
XVIII-6-8	p-Me-Ph	*	H	*	CH_3	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-7-1	p-F-Ph	H	H	H	CH_3	OCH_3	F	H	OH	H	H
XVIII-7-2	p-F-Ph	H	H	CH_3	CH_3	OCH_3	F	H	OH	H	H
XVIII-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	OCH_3	F	H	OH	H	H
XVIII-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	H	OH	H	H
XVIII-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	H	OH	H	H
XVIII-7-20	p-F-Ph	*	H	*	CH_3	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-8-1	p-Cl-Ph	H	H	H	CH_3	OCH_3	F	H	OH	H	H
XVIII-8-2	p-Cl-Ph	H	H	CH_3	CH_3	OCH_3	F	H	OH	H	H
XVIII-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	OCH_3	F	H	OH	H	H
XVIII-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	H	OH	H	H
XVIII-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	H	OH	H	H
XVIII-8-8	p-Cl-Ph	*	H	*	CH_3	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVIII-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-9-1	p-Br-Ph	H	H	H	CH_3	OCH_3	F	H	OH	H	H
XVIII-9-2	p-Br-Ph	H	H	CH_3	CH_3	OCH_3	F	H	OH	H	H
XVIII-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	OCH_3	F	H	OH	H	H
XVIII-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	H	OH	H	H
XVIII-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	H	OH	H	H
XVIII-9-20	p-Br-Ph	*	H	*	CH_3	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-10-1	p-I-Ph	H	H	H	CH_3	OCH_3	F	H	OH	H	H
XVIII-10-2	p-I-Ph	H	H	CH_3	CH_3	OCH_3	F	H	OH	H	H
XVIII-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	H	OH	H	H
XVIII-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	OCH_3	F	H	OH	H	H
XVIII-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	H	OH	H	H
XVIII-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	H	OH	H	H
XVIII-10-8	p-I-Ph	*	H	*	CH_3	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-11-1	CH_3	H	H	H	Et	OCH_3	F	H	OH	H	H
XVIII-11-2	CH_3	H	H	CH_3	Et	OCH_3	F	H	OH	H	H
XVIII-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-11-5	CH_3	H	H	CH_2Ph	Et	OCH_3	F	H	OH	H	H
XVIII-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	OCH_3	F	H	OH	H	H
XVIII-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	H	OH	H	H
XVIII-11-8	CH_3	*	H	*	Et	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVIII-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-12-1	Et	H	H	H	Et	OCH_3	F	H	OH	H	H
XVIII-12-2	Et	H	H	CH_3	Et	OCH_3	F	H	OH	H	H
XVIII-12-3	Et	H	H	$CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-12-5	Et	H	H	CH_2Ph	Et	OCH_3	F	H	OH	H	H
XVIII-12-6	Et	H	H	CH_2-indol-3-yl	Et	OCH_3	F	H	OH	H	H
XVIII-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	H	OH	H	H
XVIII-12-8	Et	*	H	*	Et	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-13-1	^{i}Pr	H	H	H	Et	OCH_3	F	H	OH	H	H
XVIII-13-2	^{i}Pr	H	H	CH_3	Et	OCH_3	F	H	OH	H	H
XVIII-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-13-5	^{i}Pr	H	H	CH_2Ph	Et	OCH_3	F	H	OH	H	H
XVIII-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	OCH_3	F	H	OH	H	H
XVIII-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	H	OH	H	H
XVIII-13-8	^{i}Pr	*	H	*	Et	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-14-1	^{t}Bu	H	H	H	Et	OCH_3	F	H	OH	H	H
XVIII-14-2	^{t}Bu	H	H	CH_3	Et	OCH_3	F	H	OH	H	H
XVIII-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-14-5	^{t}Bu	H	H	CH_2Ph	Et	OCH_3	F	H	OH	H	H
XVIII-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	OCH_3	F	H	OH	H	H
XVIII-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	H	OH	H	H
XVIII-14-8	^{t}Bu	*	H	*	Et	OCH_3	F	H	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-15-1	Ph	H	H	H	Et	OCH_3	F	H	OH	H	H
XVIII-15-2	Ph	H	H	CH_3	Et	OCH_3	F	H	OH	H	H
XVIII-15-3	Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-15-5	Ph	H	H	CH_2Ph	Et	OCH_3	F	H	OH	H	H
XVIII-15-6	Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	H	OH	H	H
XVIII-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	H	OH	H	H
XVIII-15-8	Ph	*	H	*	Et	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-16-1	p-Me-Ph	H	H	H	Et	OCH_3	F	H	OH	H	H
XVIII-16-2	p-Me-Ph	H	H	CH_3	Et	OCH_3	F	H	OH	H	H
XVIII-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-16-5	p-Me-Ph	H	H	CH_2Ph	Et	OCH_3	F	H	OH	H	H
XVIII-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	H	OH	H	H
XVIII-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	H	OH	H	H
XVIII-16-8	p-Me-Ph	*	H	*	Et	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-17-1	p-F-Ph	H	H	H	Et	OCH_3	F	H	OH	H	H
XVIII-17-2	p-F-Ph	H	H	CH_3	Et	OCH_3	F	H	OH	H	H
XVIII-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-17-5	p-F-Ph	H	H	CH_2Ph	Et	OCH_3	F	H	OH	H	H
XVIII-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	H	OH	H	H
XVIII-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-17-8	p-F-Ph	*	H	*	Et	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-18-1	p-Cl-Ph	H	H	H	Et	OCH_3	F	H	OH	H	H
XVIII-18-2	p-Cl-Ph	H	H	CH_3	Et	OCH_3	F	H	OH	H	H
XVIII-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	OCH_3	F	H	OH	H	H
XVIII-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	H	OH	H	H
XVIII-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	H	OH	H	H
XVIII-18-8	p-Cl-Ph	*	H	*	Et	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-19-1	p-Br-Ph	H	H	H	Et	OCH_3	F	H	OH	H	H
XVIII-19-2	p-Br-Ph	H	H	CH_3	Et	OCH_3	F	H	OH	H	H
XVIII-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-19-5	p-Br-Ph	H	H	CH_2Ph	Et	OCH_3	F	H	OH	H	H
XVIII-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	H	OH	H	H
XVIII-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	H	OH	H	H
XVIII-19-8	p-Br-Ph	*	H	*	Et	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-20-1	p-I-Ph	H	H	H	Et	OCH_3	F	H	OH	H	H
XVIII-20-2	p-I-Ph	H	H	CH_3	Et	OCH_3	F	H	OH	H	H
XVIII-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	H	OH	H	H
XVIII-20-5	p-I-Ph	H	H	CH_2Ph	Et	OCH_3	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	H	OH	H	H
XVIII-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	H	OH	H	H
XVIII-20-8	p-I-Ph	*	H	*	Et	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-21-1	CH_3	H	H	H	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-21-2	CH_3	H	H	CH_3	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-21-8	CH_3	*	H	*	^{i}Pr	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-22-1	Et	H	H	H	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-22-2	Et	H	H	CH_3	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-22-5	Et	H	H	CH_2Ph	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-22-8	Et	*	H	*	^{i}Pr	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-23-1	^{i}Pr	H	H	H	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-23-8	^{i}Pr	*	H	*	^{i}Pr	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-24-1	^{t}Bu	H	H	H	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-24-8	^{t}Bu	*	H	*	^{i}Pr	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-25-1	Ph	H	H	H	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-25-2	Ph	H	H	CH_3	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-25-5	Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-25-8	Ph	*	H	*	^{i}Pr	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-26-1	p-Me-Ph	H	H	H	^{i}Pr	OCH_3	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-26-8	p-Me-Ph	*	H	*	^{i}Pr	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-27-1	p-F-Ph	H	H	H	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-27-8	p-F-Ph	*	H	*	^{i}Pr	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-28-1	p-Cl-Ph	H	H	H	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-28-8	p-Cl-Ph	*	H	*	^{i}Pr	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-29.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-29-1	p-Br-Ph	H	H	H	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-29-8	p-Br-Ph	*	H	*	^{i}Pr	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-30-1	p-I-Ph	H	H	H	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	H	OH	H	H
XVIII-30-8	p-I-Ph	*	H	*	^{i}Pr	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-31-1	CH_3	H	H	H	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-31-2	CH_3	H	H	CH_3	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-31-8	CH_3	*	H	*	^{n}Bu	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVIII-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-32-1	Et	H	H	H	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-32-2	Et	H	H	CH_3	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-32-5	Et	H	H	CH_2Ph	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-32-8	Et	*	H	*	^{n}Bu	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-33-1	^{i}Pr	H	H	H	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-33-8	^{i}Pr	*	H	*	^{n}Bu	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-34-1	^{t}Bu	H	H	H	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-34-8	^{t}Bu	*	H	*	^{n}Bu	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVIII-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-35-1	Ph	H	H	H	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-35-2	Ph	H	H	CH_3	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-35-5	Ph	H	H	CH_2Ph	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-35-8	Ph	*	H	*	^{n}Bu	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-36-1	p-Me-Ph	H	H	H	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-36-8	p-Me-Ph	*	H	*	^{n}Bu	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-37-1	p-F-Ph	H	H	H	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-37-8	p-F-Ph	*	H	*	^{n}Bu	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVIII-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-38-1	p-Cl-Ph	H	H	H	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-38-8	p-Cl-Ph	*	H	*	^{n}Bu	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-39-1	p-Br-Ph	H	H	H	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-39-8	p-Br-Ph	*	H	*	^{n}Bu	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-40.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-40-1	p-I-Ph	H	H	H	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-40-2	p-I-Ph	H	H	CH_3	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-40-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-40-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-40-5	p-I-Ph	H	H	CH_2Ph	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-40-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-40-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	H	OH	H	H
XVIII-40-8	p-I-Ph	*	H	*	^{n}Bu	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XVIII-41.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-41-1	CH_3	H	H	H	Bz	OCH_3	F	H	OH	H	H
XVIII-41-2	CH_3	H	H	CH_3	Bz	OCH_3	F	H	OH	H	H
XVIII-41-3	CH_3	H	H	$CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-41-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-41-5	CH_3	H	H	CH_2Ph	Bz	OCH_3	F	H	OH	H	H
XVIII-41-6	CH_3	H	H	CH_2-indol-3-yl	Bz	OCH_3	F	H	OH	H	H
XVIII-41-7	CH_3	H	H	$CH_2CH_2SCH_3$	Bz	OCH_3	F	H	OH	H	H
XVIII-41-8	CH_3	*	H	*	Bz	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-42.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-42-1	Et	H	H	H	Bz	OCH_3	F	H	OH	H	H
XVIII-42-2	Et	H	H	CH_3	Bz	OCH_3	F	H	OH	H	H
XVIII-42-3	Et	H	H	$CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-42-4	Et	H	H	$CH_2CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-42-5	Et	H	H	CH_2Ph	Bz	OCH_3	F	H	OH	H	H
XVIII-42-6	Et	H	H	CH_2-indol-3-yl	Bz	OCH_3	F	H	OH	H	H
XVIII-42-7	Et	H	H	$CH_2CH_2SCH_3$	Bz	OCH_3	F	H	OH	H	H
XVIII-42-8	Et	*	H	*	Bz	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-43.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-43-1	^{i}Pr	H	H	H	Bz	OCH_3	F	H	OH	H	H
XVIII-43-2	^{i}Pr	H	H	CH_3	Bz	OCH_3	F	H	OH	H	H
XVIII-43-3	^{i}Pr	H	H	$CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-43-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-43-5	^{i}Pr	H	H	CH_2Ph	Bz	OCH_3	F	H	OH	H	H
XVIII-43-6	^{i}Pr	H	H	CH_2-indol-3-yl	Bz	OCH_3	F	H	OH	H	H
XVIII-43-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Bz	OCH_3	F	H	OH	H	H
XVIII-43-8	^{i}Pr	*	H	*	Bz	OCH_3	F	H	OH	H	H

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*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-44.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-44-1	^{t}Bu	H	H	H	Bz	OCH_3	F	H	OH	H	H
XVIII-44-2	^{t}Bu	H	H	CH_3	Bz	OCH_3	F	H	OH	H	H
XVIII-44-3	^{t}Bu	H	H	$CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-44-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-44-5	^{t}Bu	H	H	CH_2Ph	Bz	OCH_3	F	H	OH	H	H
XVIII-44-6	^{t}Bu	H	H	CH_2-indol-3-yl	Bz	OCH_3	F	H	OH	H	H
XVIII-44-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Bz	OCH_3	F	H	OH	H	H
XVIII-44-8	^{t}Bu	*	H	*	Bz	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-45.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-45-1	Ph	H	H	H	Bz	OCH_3	F	H	OH	H	H
XVIII-45-2	Ph	H	H	CH_3	Bz	OCH_3	F	H	OH	H	H
XVIII-45-3	Ph	H	H	$CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-45-4	Ph	H	H	$CH_2CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-45-5	Ph	H	H	CH_2Ph	Bz	OCH_3	F	H	OH	H	H
XVIII-45-6	Ph	H	H	CH_2-indol-3-yl	Bz	OCH_3	F	H	OH	H	H
XVIII-45-7	Ph	H	H	$CH_2CH_2SCH_3$	Bz	OCH_3	F	H	OH	H	H
XVIII-45-8	Ph	*	H	*	Bz	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-46.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-46-1	p-Me-Ph	H	H	H	Bz	OCH_3	F	H	OH	H	H
XVIII-46-2	p-Me-Ph	H	H	CH_3	Bz	OCH_3	F	H	OH	H	H
XVIII-46-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-46-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-46-5	p-Me-Ph	H	H	CH_2Ph	Bz	OCH_3	F	H	OH	H	H
XVIII-46-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Bz	OCH_3	F	H	OH	H	H
XVIII-46-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Bz	OCH_3	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-46-8	p-Me-Ph	*	H	*	Bz	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-47.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-47-1	p-F-Ph	H	H	H	Bz	OCH_3	F	H	OH	H	H
XVIII-47-2	p-F-Ph	H	H	CH_3	Bz	OCH_3	F	H	OH	H	H
XVIII-47-3	p-F-Ph	H	H	$CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-47-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-47-5	p-F-Ph	H	H	CH_2Ph	Bz	OCH_3	F	H	OH	H	H
XVIII-47-6	p-F-Ph	H	H	CH_2-indol-3-yl	Bz	OCH_3	F	H	OH	H	H
XVIII-47-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Bz	OCH_3	F	H	OH	H	H
XVIII-47-8	p-F-Ph	*	H	*	Bz	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-48.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-48-1	p-Cl-Ph	H	H	H	Bz	OCH_3	F	H	OH	H	H
XVIII-48-2	p-Cl-Ph	H	H	CH_3	Bz	OCH_3	F	H	OH	H	H
XVIII-48-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-48-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-48-5	p-Cl-Ph	H	H	CH_2Ph	Bz	OCH_3	F	H	OH	H	H
XVIII-48-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Bz	OCH_3	F	H	OH	H	H
XVIII-48-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Bz	OCH_3	F	H	OH	H	H
XVIII-48-8	p-Cl-Ph	*	H	*	Bz	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-49.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-49-1	p-Br-Ph	H	H	H	Bz	OCH_3	F	H	OH	H	H
XVIII-49-2	p-Br-Ph	H	H	CH_3	Bz	OCH_3	F	H	OH	H	H
XVIII-49-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-49-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-49-5	p-Br-Ph	H	H	CH_2Ph	Bz	OCH_3	F	H	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-49-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Bz	OCH_3	F	H	OH	H	H
XVIII-49-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Bz	OCH_3	F	H	OH	H	H
XVIII-49-8	p-Br-Ph	*	H	*	Bz	OCH_3	F	H	OH	H	H

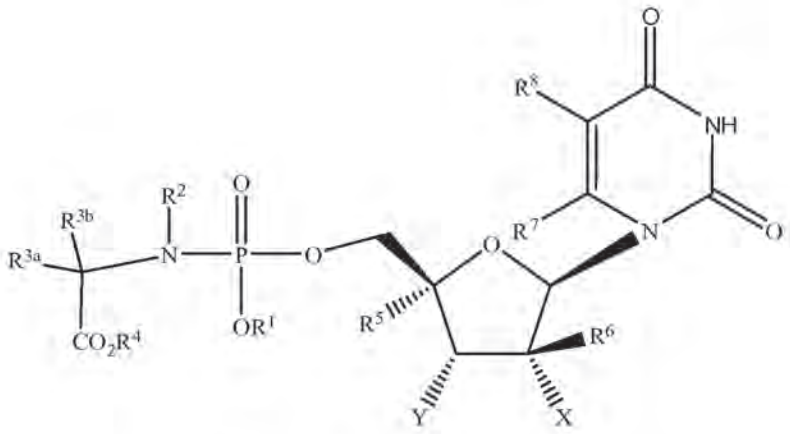
*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XVIII-50.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XVIII-50-1	p-I-Ph	H	H	H	Bz	OCH_3	F	H	OH	H	H
XVIII-50-2	p-I-Ph	H	H	CH_3	Bz	OCH_3	F	H	OH	H	H
XVIII-50-3	p-I-Ph	H	H	$CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-50-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Bz	OCH_3	F	H	OH	H	H
XVIII-50-5	p-I-Ph	H	H	CH_2Ph	Bz	OCH_3	F	H	OH	H	H
XVIII-50-6	p-I-Ph	H	H	CH_2-indol-3-yl	Bz	OCH_3	F	H	OH	H	H
XVIII-50-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Bz	OCH_3	F	H	OH	H	H
XVIII-50-8	p-I-Ph	*	H	*	Bz	OCH_3	F	H	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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XIX

Table XIX-1.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-1-1	CH_3	H	H	H	CH_3	OCH_3	F	F	OH	H	H

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-1-2	CH_3	H	H	CH_3	CH_3	OCH_3	F	F	OH	H	H
XIX-1-3	CH_3	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-1-4	CH_3	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-1-5	CH_3	H	H	CH_2Ph	CH_3	OCH_3	F	F	OH	H	H
XIX-1-6	CH_3	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	F	OH	H	H
XIX-1-7	CH_3	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	F	OH	H	H
XIX-1-8	CH_3	*	H	*	CH_3	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-2.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-2-1	Et	H	H	H	CH_3	OCH_3	F	F	OH	H	H
XIX-2-2	Et	H	H	CH_3	CH_3	OCH_3	F	F	OH	H	H
XIX-2-3	Et	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-2-4	Et	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-2-5	Et	H	H	CH_2Ph	CH_3	OCH_3	F	F	OH	H	H
XIX-2-6	Et	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	F	OH	H	H
XIX-2-7	Et	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	F	OH	H	H
XIX-2-8	Et	*	H	*	CH_3	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-3.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-3-1	^{i}Pr	H	H	H	CH_3	OCH_3	F	F	OH	H	H
XIX-3-2	^{i}Pr	H	H	CH_3	CH_3	OCH_3	F	F	OH	H	H
XIX-3-3	^{i}Pr	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-3-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-3-5	^{i}Pr	H	H	CH_2Ph	CH_3	OCH_3	F	F	OH	H	H
XIX-3-6	^{i}Pr	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	F	OH	H	H
XIX-3-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	F	OH	H	H
XIX-3-8	^{i}Pr	*	H	*	CH_3	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-4.

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№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-4-1	^{t}Bu	H	H	H	CH_3	OCH_3	F	F	OH	H	H
XIX-4-2	^{t}Bu	H	H	CH_3	CH_3	OCH_3	F	F	OH	H	H
XIX-4-3	^{t}Bu	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-4-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-4-5	^{t}Bu	H	H	CH_2Ph	CH_3	OCH_3	F	F	OH	H	H
XIX-4-6	^{t}Bu	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	F	OH	H	H
XIX-4-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	F	OH	H	H
XIX-4-8	^{t}Bu	*	H	*	CH_3	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-5.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-5-1	Ph	H	H	H	CH_3	OCH_3	F	F	OH	H	H
XIX-5-2	Ph	H	H	CH_3	CH_3	OCH_3	F	F	OH	H	H
XIX-5-3	Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-5-4	Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-5-5	Ph	H	H	CH_2Ph	CH_3	OCH_3	F	F	OH	H	H
XIX-5-6	Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	F	OH	H	H
XIX-5-7	Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	F	OH	H	H
XIX-5-8	Ph	*	H	*	CH_3	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-6.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-6-1	p-Me-Ph	H	H	H	CH_3	OCH_3	F	F	OH	H	H
XIX-6-2	p-Me-Ph	H	H	CH_3	CH_3	OCH_3	F	F	OH	H	H
XIX-6-3	p-Me-Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-6-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-6-5	p-Me-Ph	H	H	CH_2Ph	CH_3	OCH_3	F	F	OH	H	H
XIX-6-6	p-Me-Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	F	OH	H	H
XIX-6-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	F	OH	H	H
XIX-6-8	p-Me-Ph	*	H	*	CH_3	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIX-7.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-7-1	p-F-Ph	H	H	H	CH_3	OCH_3	F	F	OH	H	H
XIX-7-2	p-F-Ph	H	H	CH_3	CH_3	OCH_3	F	F	OH	H	H
XIX-7-3	p-F-Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-7-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-7-6	p-F-Ph	H	H	CH_2Ph	CH_3	OCH_3	F	F	OH	H	H
XIX-7-7	p-F-Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	F	OH	H	H
XIX-7-8	p-F-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	F	OH	H	H
XIX-7-20	p-F-Ph	*	H	*	CH_3	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-8.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-8-1	p-Cl-Ph	H	H	H	CH_3	OCH_3	F	F	OH	H	H
XIX-8-2	p-Cl-Ph	H	H	CH_3	CH_3	OCH_3	F	F	OH	H	H
XIX-8-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-8-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-8-5	p-Cl-Ph	H	H	CH_2Ph	CH_3	OCH_3	F	F	OH	H	H
XIX-8-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	F	OH	H	H
XIX-8-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	F	OH	H	H
XIX-8-8	p-Cl-Ph	*	H	*	CH_3	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-9.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-9-1	p-Br-Ph	H	H	H	CH_3	OCH_3	F	F	OH	H	H
XIX-9-2	p-Br-Ph	H	H	CH_3	CH_3	OCH_3	F	F	OH	H	H
XIX-9-3	p-Br-Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-9-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-9-6	p-Br-Ph	H	H	CH_2Ph	CH_3	OCH_3	F	F	OH	H	H
XIX-9-7	p-Br-Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	F	OH	H	H
XIX-9-8	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	F	OH	H	H
XIX-9-20	p-Br-Ph	*	H	*	CH_3	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIX-10.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-10-1	p-I-Ph	H	H	H	CH_3	OCH_3	F	F	OH	H	H
XIX-10-2	p-I-Ph	H	H	CH_3	CH_3	OCH_3	F	F	OH	H	H
XIX-10-3	p-I-Ph	H	H	$CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-10-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	CH_3	OCH_3	F	F	OH	H	H
XIX-10-5	p-I-Ph	H	H	CH_2Ph	CH_3	OCH_3	F	F	OH	H	H
XIX-10-6	p-I-Ph	H	H	CH_2-indol-3-yl	CH_3	OCH_3	F	F	OH	H	H
XIX-10-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	CH_3	OCH_3	F	F	OH	H	H
XIX-10-8	p-I-Ph	*	H	*	CH_3	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-11.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-11-1	CH_3	H	H	H	Et	OCH_3	F	F	OH	H	H
XIX-11-2	CH_3	H	H	CH_3	Et	OCH_3	F	F	OH	H	H
XIX-11-3	CH_3	H	H	$CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-11-4	CH_3	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-11-5	CH_3	H	H	CH_2Ph	Et	OCH_3	F	F	OH	H	H
XIX-11-6	CH_3	H	H	CH_2-indol-3-yl	Et	OCH_3	F	F	OH	H	H
XIX-11-7	CH_3	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	F	OH	H	H
XIX-11-8	CH_3	*	H	*	Et	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-12.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-12-1	Et	H	H	H	Et	OCH_3	F	F	OH	H	H
XIX-12-2	Et	H	H	CH_3	Et	OCH_3	F	F	OH	H	H
XIX-12-3	Et	H	H	$CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-12-4	Et	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-12-5	Et	H	H	CH_2Ph	Et	OCH_3	F	F	OH	H	H
XIX-12-6	Et	H	H	CH_2-indol-3-yl	Et	OCH_3	F	F	OH	H	H
XIX-12-7	Et	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	F	OH	H	H
XIX-12-8	Et	*	H	*	Et	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIX-13.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-13-1	^{i}Pr	H	H	H	Et	OCH_3	F	F	OH	H	H
XIX-13-2	^{i}Pr	H	H	CH_3	Et	OCH_3	F	F	OH	H	H
XIX-13-3	^{i}Pr	H	H	$CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-13-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-13-5	^{i}Pr	H	H	CH_2Ph	Et	OCH_3	F	F	OH	H	H
XIX-13-6	^{i}Pr	H	H	CH_2-indol-3-yl	Et	OCH_3	F	F	OH	H	H
XIX-13-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	F	OH	H	H
XIX-13-8	^{i}Pr	*	H	*	Et	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-14.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-14-1	^{t}Bu	H	H	H	Et	OCH_3	F	F	OH	H	H
XIX-14-2	^{t}Bu	H	H	CH_3	Et	OCH_3	F	F	OH	H	H
XIX-14-3	^{t}Bu	H	H	$CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-14-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-14-5	^{t}Bu	H	H	CH_2Ph	Et	OCH_3	F	F	OH	H	H
XIX-14-6	^{t}Bu	H	H	CH_2-indol-3-yl	Et	OCH_3	F	F	OH	H	H
XIX-14-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	F	OH	H	H
XIX-14-8	^{t}Bu	*	H	*	Et	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-15.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-15-1	Ph	H	H	H	Et	OCH_3	F	F	OH	H	H
XIX-15-2	Ph	H	H	CH_3	Et	OCH_3	F	F	OH	H	H
XIX-15-3	Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-15-4	Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-15-5	Ph	H	H	CH_2Ph	Et	OCH_3	F	F	OH	H	H
XIX-15-6	Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	F	OH	H	H
XIX-15-7	Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	F	OH	H	H
XIX-15-8	Ph	*	H	*	Et	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIX-16.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-16-1	p-Me-Ph	H	H	H	Et	OCH_3	F	F	OH	H	H
XIX-16-2	p-Me-Ph	H	H	CH_3	Et	OCH_3	F	F	OH	H	H
XIX-16-3	p-Me-Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-16-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-16-5	p-Me-Ph	H	H	CH_2Ph	Et	OCH_3	F	F	OH	H	H
XIX-16-6	p-Me-Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	F	OH	H	H
XIX-16-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	F	OH	H	H
XIX-16-8	p-Me-Ph	*	H	*	Et	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-17.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-17-1	p-F-Ph	H	H	H	Et	OCH_3	F	F	OH	H	H
XIX-17-2	p-F-Ph	H	H	CH_3	Et	OCH_3	F	F	OH	H	H
XIX-17-3	p-F-Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-17-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-17-5	p-F-Ph	H	H	CH_2Ph	Et	OCH_3	F	F	OH	H	H
XIX-17-6	p-F-Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	F	OH	H	H
XIX-17-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	F	OH	H	H
XIX-17-8	p-F-Ph	*	H	*	Et	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-18.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-18-1	p-Cl-Ph	H	H	H	Et	OCH_3	F	F	OH	H	H
XIX-18-2	p-Cl-Ph	H	H	CH_3	Et	OCH_3	F	F	OH	H	H
XIX-18-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-18-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-18-5	p-Cl-Ph	H	H	CH_2Ph	Et	OCH_3	F	F	OH	H	H
XIX-18-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	F	OH	H	H
XIX-18-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	F	OH	H	H
XIX-18-8	p-Cl-Ph	*	H	*	Et	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIX-19.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-19-1	p-Br-Ph	H	H	H	Et	OCH_3	F	F	OH	H	H
XIX-19-2	p-Br-Ph	H	H	CH_3	Et	OCH_3	F	F	OH	H	H
XIX-19-3	p-Br-Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-19-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	F	OH	H	H
XIX-19-5	p-Br-Ph	H	H	CH_2Ph	Et	OCH_3	F	F	OH	H	H
XIX-19-6	p-Br-Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	F	OH	H	H
XIX-19-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	F	OH	H	H
XIX-19-8	p-Br-Ph	*	H	*	Et	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-20.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7
XIX-20-1	p-I-Ph	H	H	H	Et	OCH_3	F	F	OH	H
XIX-20-2	p-I-Ph	H	H	CH_3	Et	OCH_3	F	F	OH	H
XIX-20-3	p-I-Ph	H	H	$CH(CH_3)_2$	Et	OCH_3	F	F	OH	H
XIX-20-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	Et	OCH_3	F	F	OH	H
XIX-20-5	p-I-Ph	H	H	CH_2Ph	Et	OCH_3	F	F	OH	H
XIX-20-6	p-I-Ph	H	H	CH_2-indol-3-yl	Et	OCH_3	F	F	OH	H
XIX-20-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	Et	OCH_3	F	F	OH	H
XIX-20-8	p-I-Ph	*	H	*	Et	OCH_3	F	F	OH	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-21.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-21-1	CH_3	H	H	H	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-21-2	CH_3	H	H	CH_3	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-21-3	CH_3	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-21-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-21-5	CH_3	H	H	CH_2Ph	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-21-6	CH_3	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-21-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-21-8	CH_3	*	H	*	^{i}Pr	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIX-22.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-22-1	Et	H	H	H	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-22-2	Et	H	H	CH_3	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-22-3	Et	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-22-4	Et	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-22-5	Et	H	H	CH_2Ph	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-22-6	Et	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-22-7	Et	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-22-8	Et	*	H	*	^{i}Pr	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-23.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-23-1	^{i}Pr	H	H	H	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-23-2	^{i}Pr	H	H	CH_3	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-23-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-23-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-23-5	^{i}Pr	H	H	CH_2Ph	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-23-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-23-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-23-8	^{i}Pr	*	H	*	^{i}Pr	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-24.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-24-1	^{t}Bu	H	H	H	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-24-2	^{t}Bu	H	H	CH_3	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-24-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-24-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-24-5	^{t}Bu	H	H	CH_2Ph	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-24-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-24-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-24-8	^{t}Bu	*	H	*	^{i}Pr	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIX-25.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-25-1	Ph	H	H	H	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-25-2	Ph	H	H	CH_3	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-25-3	Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-25-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-25-5	Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-25-6	Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-25-7	Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-25-8	Ph	*	H	*	^{i}Pr	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-26.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-26-1	p-Me-Ph	H	H	H	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-26-2	p-Me-Ph	H	H	CH_3	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-26-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-26-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-26-5	p-Me-Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-26-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-26-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-26-8	p-Me-Ph	*	H	*	^{i}Pr	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-27.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-27-1	p-F-Ph	H	H	H	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-27-2	p-F-Ph	H	H	CH_3	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-27-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-27-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-27-5	p-F-Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-27-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-27-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-27-8	p-F-Ph	*	H	*	^{i}Pr	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIX-28.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-28-1	p-Cl-Ph	H	H	H	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-28-2	p-Cl-Ph	H	H	CH_3	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-28-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-28-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-28-5	p-Cl-Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-28-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-28-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-28-8	p-Cl-Ph	*	H	*	^{i}Pr	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-29.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-29-1	p-Br-Ph	H	H	H	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-29-2	p-Br-Ph	H	H	CH_3	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-29-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-29-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-29-5	p-Br-Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-29-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-29-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-29-8	p-Br-Ph	*	H	*	^{i}Pr	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-30.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-30-1	p-I-Ph	H	H	H	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-30-2	p-I-Ph	H	H	CH_3	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-30-3	p-I-Ph	H	H	$CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-30-4	p-I-Ph	H	H	$CH_2CH(CH_3)_2$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-30-5	p-I-Ph	H	H	CH_2Ph	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-30-6	p-I-Ph	H	H	CH_2-indol-3-yl	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-30-7	p-I-Ph	H	H	$CH_2CH_2SCH_3$	^{i}Pr	OCH_3	F	F	OH	H	H
XIX-30-8	p-I-Ph	*	H	*	^{i}Pr	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIX-31.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-31-1	CH_3	H	H	H	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-31-2	CH_3	H	H	CH_3	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-31-3	CH_3	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-31-4	CH_3	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-31-5	CH_3	H	H	CH_2Ph	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-31-6	CH_3	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-31-7	CH_3	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-31-8	CH_3	*	H	*	^{n}Bu	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-32.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-32-1	Et	H	H	H	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-32-2	Et	H	H	CH_3	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-32-3	Et	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-32-4	Et	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-32-5	Et	H	H	CH_2Ph	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-32-6	Et	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-32-7	Et	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-32-8	Et	*	H	*	^{n}Bu	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-33.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-33-1	^{i}Pr	H	H	H	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-33-2	^{i}Pr	H	H	CH_3	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-33-3	^{i}Pr	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-33-4	^{i}Pr	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-33-5	^{i}Pr	H	H	CH_2Ph	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-33-6	^{i}Pr	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-33-7	^{i}Pr	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-33-8	^{i}Pr	*	H	*	^{n}Bu	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIX-34.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-34-1	^{t}Bu	H	H	H	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-34-2	^{t}Bu	H	H	CH_3	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-34-3	^{t}Bu	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-34-4	^{t}Bu	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-34-5	^{t}Bu	H	H	CH_2Ph	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-34-6	^{t}Bu	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-34-7	^{t}Bu	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-34-8	^{t}Bu	*	H	*	^{n}Bu	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-35.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-35-1	Ph	H	H	H	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-35-2	Ph	H	H	CH_3	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-35-3	Ph	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-35-4	Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-35-5	Ph	H	H	CH_2Ph	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-35-6	Ph	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-35-7	Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-35-8	Ph	*	H	*	^{n}Bu	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-36.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-36-1	p-Me-Ph	H	H	H	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-36-2	p-Me-Ph	H	H	CH_3	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-36-3	p-Me-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-36-4	p-Me-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-36-5	p-Me-Ph	H	H	CH_2Ph	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-36-6	p-Me-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-36-7	p-Me-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-36-8	p-Me-Ph	*	H	*	^{n}Bu	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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Table XIX-37.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-37-1	p-F-Ph	H	H	H	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-37-2	p-F-Ph	H	H	CH_3	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-37-3	p-F-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-37-4	p-F-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-37-5	p-F-Ph	H	H	CH_2Ph	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-37-6	p-F-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-37-7	p-F-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-37-8	p-F-Ph	*	H	*	^{n}Bu	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-38.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-38-1	p-Cl-Ph	H	H	H	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-38-2	p-Cl-Ph	H	H	CH_3	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-38-3	p-Cl-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-38-4	p-Cl-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-38-5	p-Cl-Ph	H	H	CH_2Ph	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-38-6	p-Cl-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-38-7	p-Cl-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-38-8	p-Cl-Ph	*	H	*	^{n}Bu	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

Table XIX-39.

№	R^1	R^2	R^{3a}	R^{3b}	R^4	R^5	R^6	X	Y	R^7	R^8
XIX-39-1	p-Br-Ph	H	H	H	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-39-2	p-Br-Ph	H	H	CH_3	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-39-3	p-Br-Ph	H	H	$CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-39-4	p-Br-Ph	H	H	$CH_2CH(CH_3)_2$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-39-5	p-Br-Ph	H	H	CH_2Ph	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-39-6	p-Br-Ph	H	H	CH_2-indol-3-yl	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-39-7	p-Br-Ph	H	H	$CH_2CH_2SCH_3$	^{n}Bu	OCH_3	F	F	OH	H	H
XIX-39-8	p-Br-Ph	*	H	*	^{n}Bu	OCH_3	F	F	OH	H	H

*R^2 and R^{3b} joined together by $(CH_2)_3$ to form five-membered ring.

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