

(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) $_2$;

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

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

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 , $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$,
10 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-
15 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;

20 (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 CR¹²; and

- 5 R¹² is an H, halogen (including F, Cl, Br, I), OR', NH₂, NHR', NR'₂, NO₂, lower alkyl of C₁-C₆, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R'.

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

wherein

- 10 (a) R¹ is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, *p*-tolyl, *p*-bromo-phenyl, *p*-chloro-phenyl, *p*-fluorophenyl;
- (b) R² is hydrogen or CH₃;
- (c) R^{3a} is H and R^{3b} is H, CH₃, CH(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, CH₂Ph, or lower cycloalkyl;
- 15 (d) R⁴ is hydrogen, CH₃, 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) R⁵ is H, CN, CH₂F, F, Cl, Br, or I, with the provisos that when X is OH,
- 20 R⁶ is CH₃ or CH₂F, R⁵ cannot be H;
- (f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, or F;
- (g) X is H, OH, F, OCH₃, F, Cl, Br, I, NH₂ or N₃;
- (h) Y is H, OH, CH₃, F, Cl, Br, I, NH₂ or N₃, OCH₃, or OC(O)CH₃;

(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 $C(O)(\text{lower alkyl})$ or alternatively, in the instance of NR'_2 , each R' comprise at least one C atom that are joined
5 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
10 represented by formula **1-6**

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;

15 (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, *i*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
20 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, NH₂, OCH₃, or OC(O)CH₃;

(i) R¹⁰ is NH₂ and R¹¹ is H, F, Br, I, OH, OR', NH₂, NHR', NR'₂, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R';

wherein R' is a lower alkyl, a lower cycloalkyl, or C(O)(lower alkyl) or
5 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 CR¹²; and

R¹² is an H, halogen (including F, Cl, Br, I), OR', NH₂, NHR', NR'₂, NO₂, lower alkyl of C₁-C₆, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R'.

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

wherein

(a) R¹ is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;

15 (b) R² is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH₃, CH(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, CH₂Ph, or lower cycloalkyl;

(d) R⁴ is hydrogen, CH₃, Et, ⁱPr, ⁿPr, ⁿBu, 2-butyl, ⁱBu, 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
20 haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R⁵ is H, with the provisos that when X is OH, R⁶ is CH₃ or CH₂F, R⁵ cannot be H;

(f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, or F;

(g) X is H, OH, OCH₃, F, NH₂ or N₃;

(h) Y is OH, NH₂, OCH₃, or OC(O)CH₃;

(i) R¹⁰ is NH₂ and R¹¹ are independently H, F, Br, I, OH, OR', NH₂, NHR', NR'₂, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R';

5 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

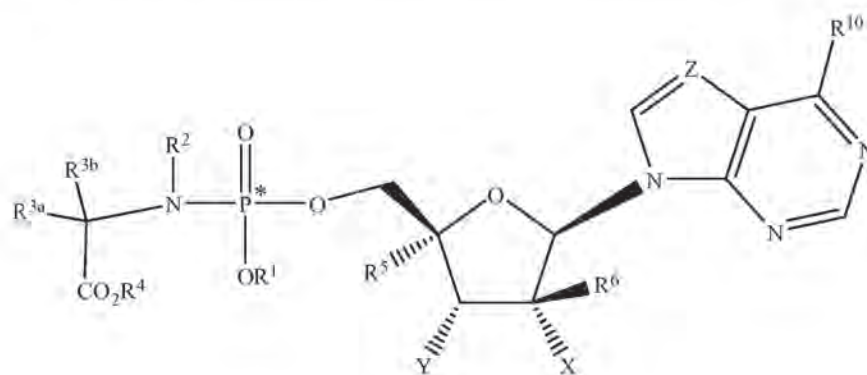
(j) Z is N or CR¹²; and

10 R¹² is an H, halogen (including F, Cl, Br, I), OR', NH₂, NHR', NR'₂, NO₂, lower alkyl of C₁-C₆, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R'.

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 R¹¹ is H and R², R^{3a}, R^{3b}, R⁴, R⁵, R⁶, X, and Y are defined in the Summary of the Invention section above.

15

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, $-(CH_2)_eCOR^{3''}$, 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 $-OR^1$ 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, C₁₋₂₀ alkyl, C₁₋₁₀ alkyl, or C₁₋₆ alkyl, R^{3'} is –OR' or –N(R^{3'})₂;

- (d) R⁴ is hydrogen, C₁₋₁₀ alkyl, C₁₋₁₀ alkyl optionally substituted with a lower alkyl, alkoxy or halogen, C₁₋₁₀ haloalkyl, C₃₋₁₀ 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) R⁵ is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., –(CH₂)_pOH, where p is 1–6, including hydroxyl methyl (CH₂OH), CH₂F, N₃, CH₂CN, CH₂NH₂, CH₂NHCH₃, CH₂N(CH₃)₂, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R⁶ is H, R⁵ cannot be N₃ and when X is OH, R⁶ is CH₃ or CH₂F and B is a purine base, R⁵ cannot be H;

(f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, F, or CN;

(g) X is H, OH, F, OMe, halogen, NH₂, or N₃;

- (h) Y is OH, H, C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, vinyl, N₃, CN, Cl, Br, F, I, NO₂, OC(O)O(C₁₋₄ alkyl), OC(O)O(C₁₋₄ alkyl), OC(O)O(C₂₋₄ alkynyl), OC(O)O(C₂₋₄ alkenyl), OC₁₋₁₀ haloalkyl, O(aminoacyl), O(C₁₋₁₀ acyl), O(C₁₋₄ alkyl), O(C₂₋₄ alkenyl), S(C₁₋₄ acyl), S(C₁₋₄ alkyl), S(C₂₋₄ alkynyl), S(C₂₋₄ alkenyl), SO(C₁₋₄ acyl), SO(C₁₋₄ alkyl), SO(C₂₋₄ alkynyl), SO(C₂₋₄ alkenyl), SO₂(C₁₋₄ acyl), SO₂(C₁₋₄ alkyl), SO₂(C₂₋₄ alkynyl), SO₂(C₂₋₄ alkenyl), OS(O)₂(C₁₋₄ acyl), OS(O)₂(C₁₋₄ alkyl), OS(O)₂(C₂₋₄ alkenyl), NH₂, NH(C₁₋₄ alkyl), NH(C₂₋₄ alkenyl), NH(C₂₋₄ alkynyl), NH(C₁₋₄ acyl), N(C₁₋₄ alkyl)₂, N(C₁₋₁₈ acyl)₂, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N₃, CN, one to three halogen (Cl, Br, F, I), NO₂, C(O)O(C₁₋₄ alkyl), C(O)O(C₁₋₄ alkyl), C(O)O(C₂₋₄ alkynyl), C(O)O(C₂₋₄ alkenyl), O(C₁₋₄ acyl), O(C₁₋₄ alkyl), O(C₂₋₄ alkenyl), S(C₁₋₄ acyl), S(C₁₋₄ alkyl), S(C₂₋₄ alkynyl), S(C₂₋₄ alkenyl), SO(C₁₋₄ acyl), SO(C₁₋₄ alkyl), SO(C₂₋₄ alkynyl), SO(C₂₋₄ alkenyl), SO₂(C₁₋₄ acyl), SO₂(C₁₋₄ alkyl), SO₂(C₂₋₄ alkynyl), SO₂(C₂₋₄ alkenyl), OS(O)₂(C₁₋₄ acyl), OS(O)₂(C₁₋₄ alkyl), OS(O)₂(C₂₋₄ alkenyl), NH₂, NH(C₁₋₄ alkyl), NH(C₂₋₄ alkenyl), NH(C₂₋₄ alkynyl), NH(C₁₋₄ acyl), N(C₁₋₄ alkyl)₂, N(C₁₋₄ acyl)₂;

- (i) R^{10} is H, F, Cl, Br, I, OH, OR', SH, SR', NH₂, NHR', NR'₂, lower alkyl of C₁-C₆, halogenated (F, Cl, Br, I) lower alkyl of C₁-C₆, lower alkenyl of C₂-C₆, halogenated (F, Cl, Br, I) lower alkenyl of C₂-C₆, lower alkynyl of C₂-C₆ such as C≡CH, halogenated (F, Cl, Br, I) lower alkynyl of C₂-C₆, lower alkoxy of C₁-C₆, halogenated (F, Cl, Br, I) lower alkoxy of C₁-C₆, CO₂H, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R',

wherein R' is an optionally substituted alkyl, which includes, but is not limited to, an optionally substituted C₁₋₂₀ alkyl, an optionally substituted C₁₋₁₀ alkyl, an optionally substituted lower alkyl; an optionally substituted cycloalkyl; an optionally substituted alkynyl of C₂-C₆, an optionally substituted lower alkenyl of C₂-C₆, or optionally substituted acyl, which includes but is not limited to C(O) alkyl, C(O)(C₁₋₂₀ alkyl), C(O)(C₁₋₁₀ 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 CR¹²; and

R¹² is H, halogen (including F, Cl, Br, I), OH, OR', SH, SR', NH₂, NHR', NR'₂, NO₂ lower alkyl of C₁-C₆, halogenated (F, Cl, Br, I) lower alkyl of C₁-C₆, lower alkenyl of C₂-C₆, halogenated (F, Cl, Br, I) lower alkenyl of C₂-C₆, lower alkynyl of C₂-C₆, halogenated (F, Cl, Br, I) lower alkynyl of C₂-C₆, lower alkoxy of C₁-C₆, halogenated (F, Cl, Br, I) lower alkoxy of C₁-C₆, CO₂H, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R'; with the proviso that R¹² is not a: (i) -C≡C-H, (ii) -C=CH₂, or (iii) -NO₂.

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

wherein

(a) R¹ 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, ^iPr , ^nPr , ^nBu , 2-butyl, ^tBu , 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;

10 (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 ;

15 (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 $C(O)(\text{lower alkyl})$ 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

20 (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
25 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 ;
- 5 (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, iPr , nPr , nBu , 2-butyl, tBu , 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
- 10 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 ;
- 15 (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 $C(O)(\text{lower alkyl})$ or alternatively, in the instance of NR'_2 , each R' comprise at least one C atom that are joined

20 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, ^iPr , ^nPr , ^nBu , 2-butyl, ^tBu , 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} 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 $C(O)(\text{lower alkyl})$ 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 fifth aspect of the fourth embodiment is directed to a compound represented by
5 formula **I-7**

wherein

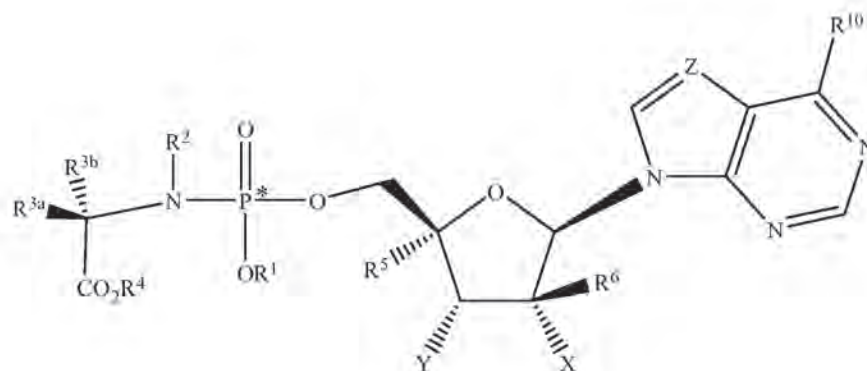
- (a) R^1 is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;
- (b) R^2 is hydrogen;
- 10 (c) R^{3a} is H and R^{3b} is H, CH_3 , $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, CH_2Ph , or lower cycloalkyl;
- (d) R^4 is hydrogen, CH_3 , Et, iPr , nPr , nBu , 2-butyl, tBu , 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
15 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 ;
- 20 (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 CR¹²; and

- 5 R¹² is H, halogen (including F, Cl, Br, I), OR', NH₂, NHR', NR'₂, NO₂, lower alkyl of C₁-C₆, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R'.

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



I-8

wherein

- (a) R¹ 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 C₁₋₆ alkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl, C₁₋₆ alkoxy, F, Cl, Br, I, nitro, cyano, C₁₋₆ haloalkyl, -N(R^{1'})₂, C₁₋₆ acylamino, -NHSO₂C₁₋₆ alkyl, -SO₂N(R^{1'})₂, COR^{1''}, and -SO₂C₁₋₆ alkyl; (R^{1'} is independently hydrogen or alkyl, which includes, but is not limited to, C₁₋₂₀ alkyl, C₁₋₁₀ alkyl, or C₁₋₆ alkyl, R^{1''} is -OR' or -N(R^{1'})₂);
- 15

(b) R² is hydrogen or CH₃;

(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 $-N(R^{3'})_2$;

(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, R⁵ cannot be N₃ and when X is OH, R⁶ is CH₃ or CH₂F and B is a purine base, R⁵ cannot be H;

(f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, F, or CN;

(g) X is H, OH, F, OMe, halogen, NH₂, or N₃;

- 5 (h) Y is OH, H, C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, vinyl, N₃, CN, Cl, Br, F, I, NO₂, OC(O)O(C₁₋₄ alkyl), OC(O)O(C₂₋₄ alkynyl), OC(O)O(C₂₋₄ alkenyl), OC₁₋₁₀ haloalkyl, O(aminoacyl), O(C₁₋₁₀ acyl), O(C₁₋₄ alkyl), O(C₂₋₄ alkenyl), S(C₁₋₄ acyl), S(C₁₋₄ alkyl), S(C₂₋₄ alkynyl), S(C₂₋₄ alkenyl), SO(C₁₋₄ acyl), SO(C₁₋₄ alkyl), SO(C₂₋₄ alkynyl), SO(C₂₋₄ alkenyl), SO₂(C₁₋₄ acyl), SO₂(C₁₋₄ alkyl), SO₂(C₂₋₄ alkynyl), SO₂(C₂₋₄ alkenyl),
 10 OS(O)₂(C₁₋₄ acyl), OS(O)₂(C₁₋₄ alkyl), OS(O)₂(C₂₋₄ alkenyl), NH₂, NH(C₁₋₄ alkyl), NH(C₂₋₄ alkenyl), NH(C₂₋₄ alkynyl), NH(C₁₋₄ acyl), N(C₁₋₄ alkyl)₂, N(C₁₋₁₈ acyl)₂, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N₃, CN, one to three halogen (Cl, Br, F, I), NO₂, C(O)O(C₁₋₄ alkyl), C(O)O(C₁₋₄ alkyl), C(O)O(C₂₋₄ alkynyl), C(O)O(C₂₋₄ alkenyl), O(C₁₋₄ acyl), O(C₁₋₄ alkyl), O(C₂₋₄ alkenyl), S(C₁₋₄ acyl),
 15 S(C₁₋₄ alkyl), S(C₂₋₄ alkynyl), S(C₂₋₄ alkenyl), SO(C₁₋₄ acyl), SO(C₁₋₄ alkyl), SO(C₂₋₄ alkynyl), SO(C₂₋₄ alkenyl), SO₂(C₁₋₄ acyl), SO₂(C₁₋₄ alkyl), SO₂(C₂₋₄ alkynyl), SO₂(C₂₋₄ alkenyl), OS(O)₂(C₁₋₄ acyl), OS(O)₂(C₁₋₄ alkyl), OS(O)₂(C₂₋₄ alkenyl), NH₂, NH(C₁₋₄ alkyl), NH(C₂₋₄ alkenyl), NH(C₂₋₄ alkynyl), NH(C₁₋₄ acyl), N(C₁₋₄ alkyl)₂, N(C₁₋₄ acyl)₂;
- (i) R¹⁰ is H, F, Br, I, OH, OR', NH₂, NHR', NR'₂, CO₂R', CONH₂, CONHR',
 20 CONR'₂, CH=CHCO₂H, or CH=CHCO₂R',

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 CR¹²; and

- 25 R¹² is H, halogen (including F, Cl, Br, I), OR', NH₂, NHR', NR'₂, NO₂, lower alkyl of C₁-C₆, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R';

with the proviso that when base is represented by the structure c with R¹¹ being hydrogen, R¹² is not a: (i) -C≡C-H, (ii) -C=CH₂, or (iii) -NO₂.

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

5 wherein

(a) R¹ is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, *p*-tolyl, *p*-bromo-phenyl, *p*-chloro-phenyl, *p*-fluorophenyl;

(b) R² is hydrogen or CH₃;

(c) R^{3a} is H and R^{3b} is H, CH₃, CH(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃,
10 CH₂Ph, CH₂-indol-3-yl, -CH₂CH₂SCH₃, CH₂CO₂H, CH₂C(O)NH₂, CH₂CH₂COOH,
CH₂CH₂C(O)NH₂, CH₂CH₂CH₂CH₂NH₂, -CH₂CH₂CH₂NHC(NH)NH₂, CH₂-imidazol-4-
yl, CH₂OH, CH(OH)CH₃, CH₂((4'-OH)-Ph), CH₂SH, or lower cycloalkyl;

(d) R⁴ is hydrogen, CH₃, Et, ⁱPr, ⁿPr, ⁿBu, 2-butyl, ^tBu, benzyl, cyclopropyl,
cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-
15 methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower
haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R⁵ is H, CN, CH₃, OCH₃, CH₂OH, CH₂F, halogen, including F, Cl, Br, or
I, with the provisos that when X is OH, R⁶ is CH₃ or CH₂F, R⁵ cannot be H;

(f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, F, or CN;

20 (g) X is H, OH, F, OCH₃, halogen, NH₂, or N₃;

(h) Y is OH, H, CH₃, vinyl, NH₂, N₃, CN, Cl, Br, F, I, OC(O)CH₃, OCH₃;

(i) R¹⁰ is H, F, Br, I, OH, OR', NH₂, NHR', NR'₂, CO₂R', CONH₂, CONHR',
CONR'₂, CH=CHCO₂H, or CH=CHCO₂R',

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 CR¹²; and

- 5 R¹² is an H, halogen (including F, Cl, Br, I), OR', NH₂, NHR', NR'₂, NO₂, lower alkyl of C₁-C₆, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R'; with the proviso that R¹² is not a: (i) -C≡C-H, (ii) -C=CH₂, or (iii) -NO₂.

An eighth aspect of the fourth embodiment is directed to a compound represented by formula **1-8**

- 10 wherein

(a) R¹ is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, *p*-tolyl, *p*-bromo-phenyl, *p*-chloro-phenyl, *p*-fluorophenyl;

(b) R² is hydrogen or CH₃;

- (c) R^{3a} is H and R^{3b} is H, CH₃, CH(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃,
15 CH₂Ph, or lower cycloalkyl;

(d) R⁴ is hydrogen, CH₃, Et, ⁱPr, ⁿPr, ⁿBu, 2-butyl, ^tBu, 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;

- 20 (e) R⁵ is H, CN, CH₂F, F, Cl, Br, or I, with the provisos that when X is OH, R⁶ is CH₃ or CH₂F, R⁵ cannot be H;

(f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, or F;

(g) X is H, OH, F, OCH₃, F, Cl, Br, I, NH₂ or N₃;

(h) Y is H, OH, CH₃, F, Cl, Br, I, NH₂ or N₃, OCH₃, or OC(O)CH₃;

(i) R^{10} is H, F, Br, I, OH, OR', NH₂, NHR', NR'₂, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R',

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
5 to form a heterocycle comprising at least two carbon atoms; and

(j) Z is N or CR¹²; and

R¹² is an H, halogen (including F, Cl, Br, I), OR', NH₂, NHR', NR'₂, NO₂, lower alkyl of C₁-C₆, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R'; with the proviso that R¹² is not a: (i) -C≡C-H, (ii) -C=CH₂, or (iii) -NO₂.

10 A ninth aspect of the fourth embodiment is directed to a compound represented by formula **1-8**

wherein

(a) R¹ is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, *p*-tolyl, *p*-bromo-phenyl, *p*-chloro-phenyl, *p*-fluorophenyl;

15 (b) R² is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH₃, CH(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, CH₂Ph, or lower cycloalkyl;

(d) R⁴ is hydrogen, CH₃, Et, ^{*i*}Pr, ^{*n*}Pr, ^{*n*}Bu, 2-butyl, ^{*i*}Bu, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, N-methyl-aziridin-2-yl, N-methyl-azetidin-3-yl, N-
20 methyl-pyrrolidin-3-yl, N-methyl-pyrrolidin-4-yl, N-methyl-piperidin-4-yl, lower haloalkyl, or di(lower alkyl)amino-lower alkyl;

(e) R⁵ is H, with the provisos that when X is OH, R⁶ is CH₃ or CH₂F, R⁵ cannot be H;

(f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, or F;

(g) X is H, OH, OCH₃, F, NH₂ or N₃;

(h) Y is OH, NH₂, OCH₃, or OC(O)CH₃;

(i) R¹⁰ is H, F, Br, I, OH, OR', NH₂, NHR', NR'₂, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R',

- 5 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 CR¹²; and

- 10 R¹² is an H, halogen (including F, Cl, Br, I), OR', NH₂, NHR', NR'₂, NO₂, lower alkyl of C₁-C₆, CO₂R', CONH₂, CONHR', CONR'₂, CH=CHCO₂H, or CH=CHCO₂R'; with the proviso that R¹² is not a: (i) -C≡C-H, (ii) -C=CH₂, or (iii) -NO₂.

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

wherein

- 15 (a) R¹ is hydrogen, methyl, phenyl, p-bromo-phenyl, p-chloro-phenyl, p-fluorophenyl;
- (b) R² is hydrogen;
- (c) R^{3a} is H and R^{3b} is H, CH₃, CH(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, CH₂Ph, or lower cycloalkyl;
- 20 (d) R⁴ is hydrogen, CH₃, Et, ⁱPr, ⁿPr, ⁿBu, 2-butyl, ^tBu, 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 ;

5 (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 $CH=CHCO_2R'$,

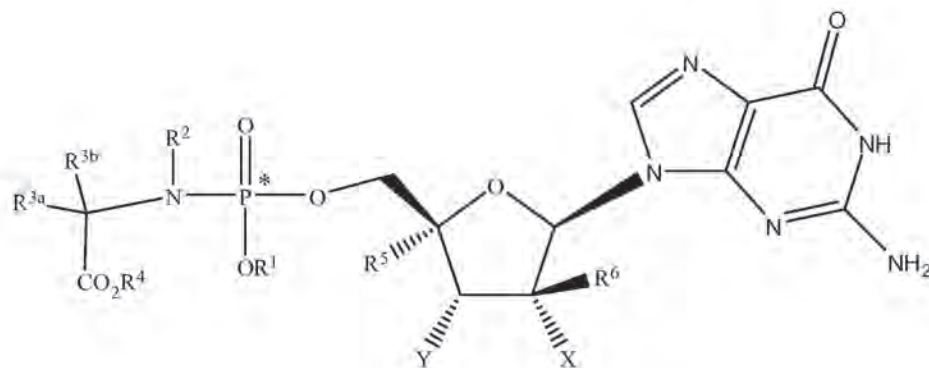
wherein R' is a lower alkyl, a lower cycloalkyl, or $C(O)$ (lower alkyl) or alternatively, in the instance of NR'_2 , each R' comprise at least one C atom that are joined
10 to form a heterocycle comprising at least two carbon atoms; and

(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) $-NO_2$.

15 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
20 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, $-NHSO_2C_{1-6}$ 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(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, CH₂Ph, CH₂-indol-3-yl, -CH₂CH₂SCH₃, CH₂CO₂H, CH₂C(O)NH₂, CH₂CH₂COOH, CH₂CH₂C(O)NH₂, CH₂CH₂CH₂CH₂NH₂, -CH₂CH₂CH₂NHC(NH)NH₂, CH₂-imidazol-4-yl, CH₂OH, CH(OH)CH₃, CH₂((4'-OH)-Ph), CH₂SH, or lower cycloalkyl; or (viii) R^{3a} is CH₃, -CH₂CH₃, CH(CH₃)₂,
 5 CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, CH₂Ph, CH₂-indol-3-yl, -CH₂CH₂SCH₃, CH₂CO₂H, CH₂C(O)NH₂, CH₂CH₂COOH, CH₂CH₂C(O)NH₂, CH₂CH₂CH₂CH₂NH₂, -CH₂CH₂CH₂NHC(NH)NH₂, CH₂-imidazol-4-yl, CH₂OH, CH(OH)CH₃, CH₂((4'-OH)-Ph), CH₂SH, or lower cycloalkyl and R^{3b} is H, where R^{3'} is independently hydrogen or alkyl, which includes, but is not limited to, C₁₋₂₀ alkyl, C₁₋₁₀ alkyl, or C₁₋₆ alkyl, R^{3''} is -
 10 OR' or -N(R^{3'})₂;

- (d) R⁴ is hydrogen, C₁₋₁₀ alkyl, C₁₋₁₀ alkyl optionally substituted with a lower alkyl, alkoxy or halogen, C₁₋₁₀ haloalkyl, C₃₋₁₀ cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aminoacyl, di(lower alkyl)amino-lower alkyl, aryl, such as phenyl, heteroaryl, such as, pyridinyl, substituted aryl, or substituted heteroaryl;
- 15 (e) R⁵ is H, a lower alkyl, CN, vinyl, O-(lower alkyl), hydroxyl lower alkyl, i.e., -(CH₂)_pOH, where p is 1-6, including hydroxyl methyl (CH₂OH), CH₂F, N₃, CH₂CN, CH₂NH₂, CH₂NHCH₃, CH₂N(CH₃)₂, alkyne (optionally substituted), or halogen, including F, Cl, Br, or I, with the provisos that when X is OH, base is cytosine and R⁶ is H, R⁵ cannot be N₃ and when X is OH, R⁶ is CH₃ or CH₂F and B is a purine base, R⁵
 20 cannot be H;

(f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, F, or CN;

(g) X is H, OH, F, OMe, halogen, NH₂, or N₃;

- (h) Y is OH, H, C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, vinyl, N₃, CN, Cl, Br, F, I, NO₂, OC(O)O(C₁₋₄ alkyl), OC(O)O(C₁₋₄ alkyl), OC(O)O(C₂₋₄ alkynyl), OC(O)O(C₂₋₄ alkenyl), OC₁₋₁₀ haloalkyl, O(aminoacyl), O(C₁₋₁₀ acyl), O(C₁₋₄ alkyl), O(C₂₋₄ alkenyl),
 25 S(C₁₋₄ acyl), S(C₁₋₄ alkyl), S(C₂₋₄ alkynyl), S(C₂₋₄ alkenyl), SO(C₁₋₄ acyl), SO(C₁₋₄ alkyl), SO(C₂₋₄ alkynyl), SO(C₂₋₄ alkenyl), SO₂(C₁₋₄ acyl), SO₂(C₁₋₄ alkyl), SO₂(C₂₋₄ alkynyl), SO₂(C₂₋₄ alkenyl), OS(O)₂(C₁₋₄ acyl), OS(O)₂(C₁₋₄ alkyl), OS(O)₂(C₂₋₄ alkenyl), NH₂,

NH(C₁₋₄ alkyl), NH(C₂₋₄ alkenyl), NH(C₂₋₄ alkynyl), NH(C₁₋₄ acyl), N(C₁₋₄ alkyl)₂, N(C₁₋₁₈ acyl)₂, wherein alkyl, alkynyl, alkenyl and vinyl are optionally substituted by N₃, CN, one to three halogen (Cl, Br, F, I), NO₂, C(O)O(C₁₋₄ alkyl), C(O)O(C₁₋₄ alkenyl), C(O)O(C₂₋₄ alkynyl), C(O)O(C₂₋₄ alkenyl), O(C₁₋₄ acyl), O(C₁₋₄ alkyl), O(C₂₋₄ alkenyl), S(C₁₋₄ acyl),
 5 S(C₁₋₄ alkyl), S(C₂₋₄ alkynyl), S(C₂₋₄ alkenyl), SO(C₁₋₄ acyl), SO(C₁₋₄ alkyl), SO(C₂₋₄ alkynyl), SO(C₂₋₄ alkenyl), SO₂(C₁₋₄ acyl), SO₂(C₁₋₄ alkyl), SO₂(C₂₋₄ alkynyl), SO₂(C₂₋₄ alkenyl), OS(O)₂(C₁₋₄ acyl), OS(O)₂(C₁₋₄ alkyl), OS(O)₂(C₂₋₄ alkenyl), NH₂, NH(C₁₋₄ alkyl), NH(C₂₋₄ alkenyl), NH(C₂₋₄ alkynyl), NH(C₁₋₄ acyl), N(C₁₋₄ alkyl)₂, N(C₁₋₄ acyl)₂.

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

wherein

(a) R¹ is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, *p*-tolyl, *p*-bromo-phenyl, *p*-chloro-phenyl, *p*-fluorophenyl;

(b) R² is hydrogen or CH₃;

15 (c) R^{3a} is H and R^{3b} is H, CH₃, CH(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, CH₂Ph, CH₂-indol-3-yl, -CH₂CH₂SCH₃, CH₂CO₂H, CH₂C(O)NH₂, CH₂CH₂COOH, CH₂CH₂C(O)NH₂, CH₂CH₂CH₂CH₂NH₂, -CH₂CH₂CH₂NHC(NH)NH₂, CH₂-imidazol-4-yl, CH₂OH, CH(OH)CH₃, CH₂((4'-OH)-Ph), CH₂SH, or lower cycloalkyl;

(d) R⁴ is hydrogen, CH₃, Et, ⁱPr, ⁿPr, ⁿBu, 2-butyl, ^tBu, benzyl, cyclopropyl, 20 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) R⁵ is H, CN, CH₃, OCH₃, CH₂OH, CH₂F, halogen, including F, Cl, Br, or I, with the proviso that when X is OH, R⁶ is CH₃ or CH₂F, R⁵ cannot be H.

25 (f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, F, or CN;

(g) X is H, OH, F, OCH₃, halogen, NH₂, or N₃;

(h) Y is OH, H, CH₃, vinyl, NH₂, N₃, CN, Cl, Br, F, I, OC(O)CH₃, OCH₃;

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

wherein

- 5 (a) R¹ is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, *p*-tolyl, *p*-bromo-phenyl, *p*-chloro-phenyl, *p*-fluorophenyl;
- (b) R² is hydrogen or CH₃;
- (c) R^{3a} is H and R^{3b} is H, CH₃, CH(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, CH₂Ph, or lower cycloalkyl;
- 10 (d) R⁴ is hydrogen, CH₃, 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) R⁵ is H, CN, CH₂F, F, Cl, Br, or I; with the proviso that X is OH, R⁶ is
- 15 CH₃ or CH₂F, R⁵ cannot be H;
- (f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, or F;
- (g) X is H, OH, F, OCH₃, F, Cl, Br, I, NH₂ or N₃;
- (h) Y is H, OH, CH₃, F, Cl, Br, I, NH₂, N₃, OCH₃, or OC(O)CH₃;

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

20 formula **I-9**

wherein

- (a) R¹ 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, ^iPr , ^nPr , ^nBu , 2-butyl, ^tBu , 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 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, ^iPr , ^nPr , ^nBu , 2-butyl, ^tBu , 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;

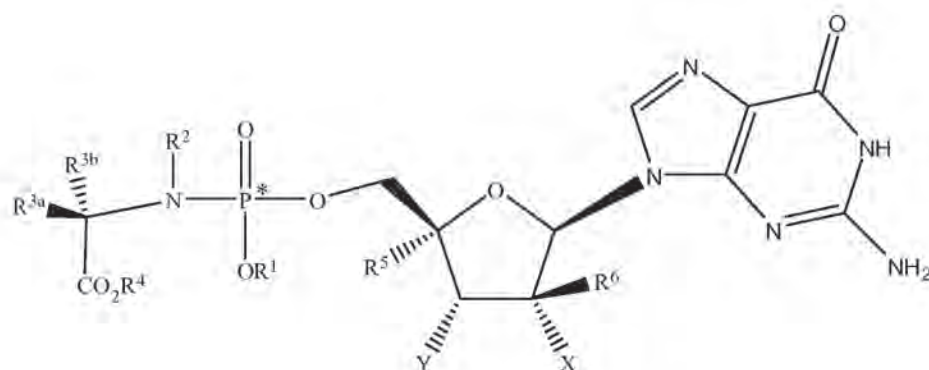
(e) R^5 is H, with the provisos that when X is OH, R^6 is CH_3 or CH_2F , R^5 cannot be H;

(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 ;

5 (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**



I-10

10 wherein

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

15 (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(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, CH₂Ph, CH₂-indol-3-yl, -CH₂CH₂SCH₃, CH₂CO₂H, CH₂C(O)NH₂, CH₂CH₂COOH, CH₂CH₂C(O)NH₂, CH₂CH₂CH₂CH₂NH₂, -CH₂CH₂CH₂NHC(NH)NH₂, CH₂-imidazol-4-yl, CH₂OH, CH(OH)CH₃, CH₂((4'-OH)-Ph), CH₂SH, or lower cycloalkyl and R^{3b} is H;

- 5 (d) R⁴ is hydrogen, CH₃, Et, ⁱPr, ⁿPr, ⁿBu, 2-butyl, ^tBu, 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) R⁵ is H, CN, CH₃, OCH₃, CH₂OH, CH₂F, N₃, CH₂CN, CH₂N₃, CH₂NH₂,
10 CH₂NHCH₃, CH₂N(CH₃)₂, halogen, including F, Cl, Br, or I, with the provisos that when X is OH, R⁶ is CH₃ or CH₂F, R⁵ cannot be H;

(f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, F, or CN;

(g) X is H, OH, F, OCH₃, Cl, Br, I, NH₂, or N₃;

- (h) Y is OH, H, CH₃, vinyl, N₃, CN, Cl, Br, F, I, OC(O)CH₃, OCH₃, NH₂,
15 NHCH₃, NH(vinyl), NH(acetyl), NH(C(O)CH₃), N(CH₃)₂, N(C(O)CH₃)₂;

A seventh aspect of the fifth embodiment is directed to a compound represented by formula **I-10**

wherein

- (a) R¹ is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, *p*-tolyl, *p*-
20 bromo-phenyl, *p*-chloro-phenyl, *p*-fluorophenyl;

(b) R² is hydrogen or CH₃;

- (c) R^{3a} is H and R^{3b} is H, CH₃, CH(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃,
CH₂Ph, CH₂-indol-3-yl, -CH₂CH₂SCH₃, CH₂CO₂H, CH₂C(O)NH₂, CH₂CH₂COOH,
CH₂CH₂C(O)NH₂, CH₂CH₂CH₂CH₂NH₂, -CH₂CH₂CH₂NHC(NH)NH₂, CH₂-imidazol-4-
25 yl, CH₂OH, CH(OH)CH₃, CH₂((4'-OH)-Ph), CH₂SH, or lower cycloalkyl;

- (d) R^4 is hydrogen, CH_3 , Et, i Pr, n Pr, n Bu, 2-butyl, i 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;
- 5 (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 ; and
- (h) Y is OH, H, CH_3 , vinyl, NH_2 , N_3 , CN, Cl, Br, F, I, $OC(O)CH_3$, OCH_3 .
- 10 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;
- 15 (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, i 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
- 20 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, OCH₃, F, Cl, Br, I, NH₂ or N₃;

(h) Y is H, OH, CH₃, F, Cl, Br, I, NH₂ or N₃, OCH₃, or OC(O)CH₃;

A ninth aspect of the fifth embodiment is directed to a compound represented by formula **I-10**

5 wherein

(a) R¹ is hydrogen, methyl, ethyl, *n*-propyl, *i*-propyl, phenyl, *p*-tolyl, *p*-bromo-phenyl, *p*-chloro-phenyl, *p*-fluorophenyl;

(b) R² is hydrogen;

(c) R^{3a} is H and R^{3b} is H, CH₃, CH(CH₃)₂, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃,
10 CH₂Ph, or lower cycloalkyl;

(d) R⁴ is hydrogen, CH₃, Et, ⁱPr, ⁿPr, ⁿBu, 2-butyl, ⁱBu, 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) R⁵ is H, with the provisos that when X is OH, R⁶ is CH₃ or CH₂F, R⁵
15 cannot be H;

(f) R⁶ is H, CH₃, CH₂F, CHF₂, CF₃, or F;

(g) X is H, OH, OCH₃, F, NH₂ or N₃;

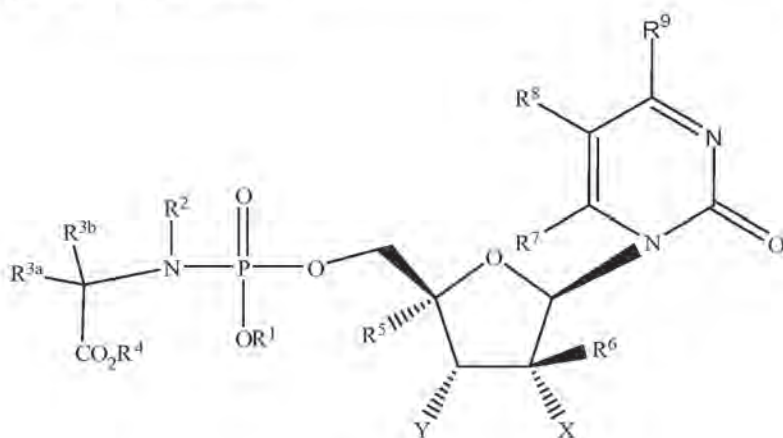
(h) Y is OH, NH₂, OCH₃, or OC(O)CH₃;

20 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 , $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$,
5 CH_2Ph , or lower cycloalkyl;
- (d) R^4 is hydrogen, CH_3 , Et, iPr , nPr , nBu , 2-butyl, tBu , 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;
- 10 (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 $OC(O)CH_3$.
- 15 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
- 20 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
- 25 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-substituent projects towards the viewer while the OR^1 substituent 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.

No.	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂
II-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂

N _o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸	R ⁹
II-1-8	CH ₃	*	H	*	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-2.

N _o	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂
II-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-3.

N _o	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂
II-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-4.

N _o	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂
II-4-5	^t Bu	H	H	CH ₂ Ph	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸	R ⁹
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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-5.

No	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
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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂
II-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂
II-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-7.

No	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

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸	R ⁹
II-7-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂
II-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂
II-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂
II-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-10.

No	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

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸	R ⁹
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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H	NH ₂
II-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-11.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H	NH ₂
II-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-12.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H	NH ₂
II-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-13.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H	NH ₂
II-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-14.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H	NH ₂
II-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-15.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H	NH ₂
II-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-16.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H	NH ₂
II-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-17.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H	NH ₂
II-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table II-18.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H	NH ₂
II-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-19.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H	NH ₂
II-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	OH	OH	H	H	NH ₂
II-19-8	p-Br-Ph	*	H	*	Et	H	CH ₃	OH	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-20.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H	NH ₂
II-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table II-21.

No	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	^t Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-21-2	CH ₃	H	H	CH ₃	^t Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-21-3	CH ₃	H	H	CH(CH ₃) ₂	^t Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-21-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	^t Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-21-5	CH ₃	H	H	CH ₂ Ph	^t Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-21-6	CH ₃	H	H	CH ₂ -indol-3-yl	^t Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-21-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	^t Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-21-8	CH ₃	*	H	*	^t Pr	H	CH ₃	OH	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-22-5	Et	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table II-24.

No	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	ⁱ Bu	H	H	H	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-24-2	ⁱ Bu	H	H	CH ₃	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-24-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-24-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-24-5	ⁱ Bu	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-24-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-24-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-24-8	ⁱ Bu	*	H	*	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-25.

No	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
II-25-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table II-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-28.

No.	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
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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-29.

No.	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table II-30.

No.	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H	NH ₂
II-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-31.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H	NH ₂
II-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-32.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H	NH ₂
II-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table II-33.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H	NH ₂
II-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-34.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H	NH ₂
II-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-35.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H	NH ₂
II-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table II-36.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H	NH ₂
II-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H	NH ₂
II-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H	NH ₂
II-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table II-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H	NH ₂
II-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H	NH ₂
II-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-41.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table II-42.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-43.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-44.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-45.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-46.

N ₆	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-47.

N ₆	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-48.

N ₆	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	OH	OH	H	H	NH ₂

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-49.

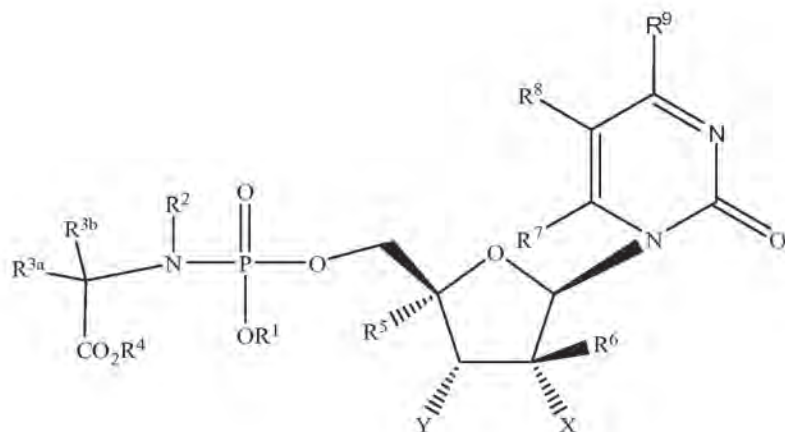
No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸	R ⁹
II-49-1	p-Br-Ph	H	H	H	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-49-2	p-Br-Ph	H	H	CH ₃	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-49-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-49-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	H	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table II-50.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H	NH ₂
II-50-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.



III

Table III-1.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-2.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-4.

No	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	ⁱ Bu	H	H	H	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-4-2	ⁱ Bu	H	H	CH ₃	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-4-3	ⁱ Bu	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-4-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-4-5	ⁱ Bu	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-4-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-4-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-4-8	ⁱ Bu	*	H	*	CH ₃	H	CH ₃	F	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-9.

N ₂	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-10.

N ₂	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
III-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-11.

N ₂	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H	NH ₂
III-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-12.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H	NH ₂
III-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-13.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H	NH ₂
III-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-14.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H	NH ₂

No	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 ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-15.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H	NH ₂
III-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-16.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H	NH ₂
III-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-17.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H	NH ₂
III-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-18.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H	NH ₂
III-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-19.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H	NH ₂
III-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-20.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H	NH ₂
III-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-24.

No	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	ⁱ Bu	H	H	H	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-24-2	ⁱ Bu	H	H	CH ₃	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-24-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-24-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-24-5	ⁱ Bu	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-24-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-24-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-24-8	ⁱ Bu	*	H	*	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-29.

N ^o	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-30.

N ^o	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H	NH ₂
III-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-31.

N ^o	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-34.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-36.

No	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-Mc-Ph	H	H	H	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-36-2	p-Mc-Ph	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-36-3	p-Mc-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-36-4	p-Mc-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-36-5	p-Mc-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-36-6	p-Mc-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-36-7	p-Mc-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-36-8	p-Mc-Ph	*	H	*	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H	NH ₂
III-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-41.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H	NH ₂
III-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-42.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H	NH ₂
III-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table III-43.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H	NH ₂
III-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-44.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H	NH ₂
III-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-45.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H	NH ₂
III-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-46.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H	NH ₂
III-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH	H	H	NH ₂

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-47.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H	NH ₂
III-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-48.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H	NH ₂
III-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-49.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H	NH ₂
III-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH	H	H	NH ₂

No	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table III-50.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H	NH ₂
III-50-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5

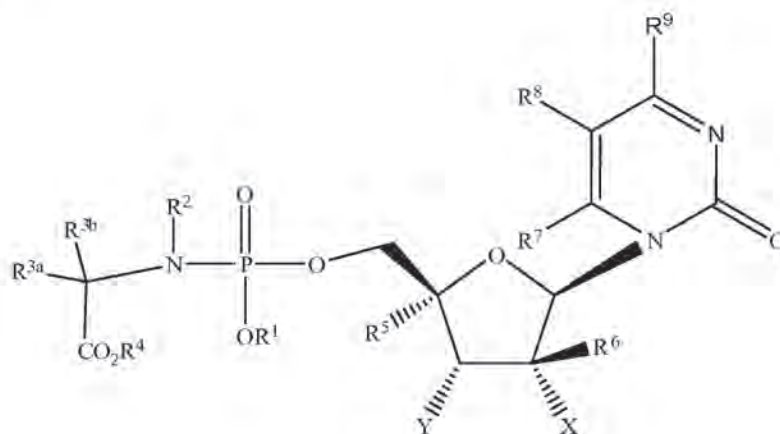
**IV**

Table IV-1.

No	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

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H	NH ₂
IV-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-2.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H	NH ₂
IV-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H	NH ₂
IV-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H	NH ₂
IV-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H	NH ₂
IV-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H	NH ₂
IV-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H	NH ₂
IV-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H	NH ₂
IV-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IV-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H	NH ₂
IV-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H	NH ₂
IV-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-11.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H	NH ₂
IV-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IV-12.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H	NH ₂
IV-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H	H	NH ₂
IV-12-8	Et	*	H	*	Et	H	F	F	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-13.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H	NH ₂
IV-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-14.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H	NH ₂
IV-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IV-15.

No	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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No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H	NH ₂
IV-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H	H	NH ₂
IV-15-8	Ph	*	H	*	Et	H	F	F	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-16.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H	NH ₂
IV-16-5	p-Me-Ph	H	H	CH ₃ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-17.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H	NH ₂
IV-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-18.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H	NH ₂
IV-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-19.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H	NH ₂
IV-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IV-20.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H	NH ₂
IV-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H	NH ₂
IV-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H	NH ₂
IV-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IV-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H	NH ₂
IV-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-24.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H	NH ₂
IV-24-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H	NH ₂
IV-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IV-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H	NH ₂
IV-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H	NH ₂
IV-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H	NH ₂
IV-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IV-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H	NH ₂
IV-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H	NH ₂
IV-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H	NH ₂
IV-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IV-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H	NH ₂
IV-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H	NH ₂
IV-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-34.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H	NH ₂
IV-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IV-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H	NH ₂
IV-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H	NH ₂
IV-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H	NH ₂
IV-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IV-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H	NH ₂
IV-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H	NH ₂
IV-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H	NH ₂
IV-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IV-41.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H	NH ₂
IV-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-42.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H	NH ₂
IV-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H	NH ₂
IV-42-8	Et	*	H	*	Bz	H	F	F	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-43.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H	NH ₂
IV-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-44.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H	NH ₂
IV-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-45.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H	NH ₂
IV-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H	NH ₂
IV-45-8	Ph	*	H	*	Bz	H	F	F	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-46.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H	NH ₂
IV-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-47.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H	NH ₂
IV-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H	NH ₂

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-48.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H	NH ₂
IV-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-49.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H	NH ₂
IV-49-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

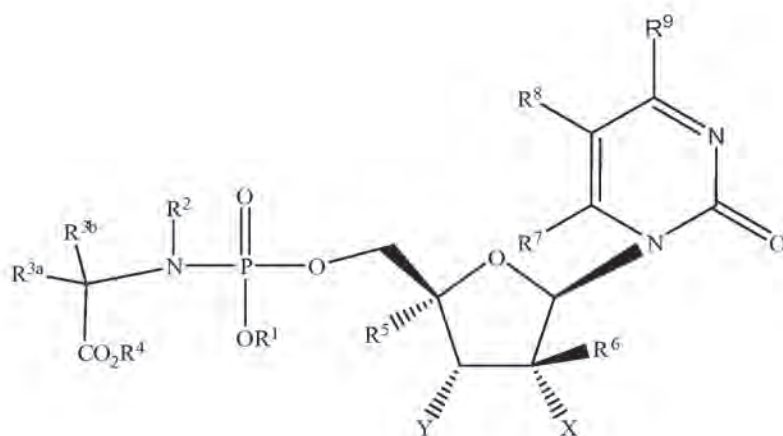
5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IV-50.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H	NH ₂
IV-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	H	F	F	OH	H	H	NH ₂

No	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.



V

5 Table V-1.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H	NH ₂
V-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-2.

No	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

N ₂	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸	R ⁹
V-2-3	Et	H	H	CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H	NH ₂
V-2-4	Et	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H	NH ₂
V-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-3.

N ₂	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H	NH ₂
V-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-4.

N ₂	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H	NH ₂
V-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-5.

N ₂	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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No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H	NH ₂
V-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H	NH ₂
V-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H	NH ₂
V-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H	NH ₂
V-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H	NH ₂
V-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table V-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H	NH ₂
V-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-11.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H	NH ₂
V-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-12.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H	NH ₂
V-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H	NH ₂
V-12-8	Et	*	H	*	Et	H	H	F	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table V-13.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H	NH ₂
V-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-14.

No	R ¹	R ²	R	R ^{3a}	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H	NH ₂
V-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-15.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H	NH ₂
V-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H	NH ₂
V-15-8	Ph	*	H	*	Et	H	H	F	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table V-16.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H	NH ₂
V-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-17.

N _o	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H	NH ₂
V-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-18.

N _o	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H	NH ₂
V-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-19.

N _o	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H	NH ₂
V-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H	NH ₂

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-20.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H	NH ₂
V-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H	NH ₂
V-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H	NH ₂
V-22-5	Et	H	H	CH ₂ Ph	ⁱ Pr	H	H	F	OH	H	H	NH ₂

No	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H	NH ₂
V-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-24.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H	NH ₂
V-24-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-25.

No	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

N ^o	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H	NH ₂
V-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-26.

N ^o	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H	NH ₂
V-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-27.

N ^o	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H	NH ₂
V-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-28.

N ^o	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

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H	NH ₂
V-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H	NH ₂
V-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H	NH ₂
V-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H	NH ₂
V-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H	NH ₂
V-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H	NH ₂
V-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-34.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H	NH ₂
V-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-35.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H	NH ₂
V-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table V-36.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H	NH ₂
V-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-37.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H	NH ₂
V-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-38.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H	NH ₂
V-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table V-39.

No.	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H	NH ₂
V-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-40.

N ^o	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H	NH ₂
V-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-41.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H	NH ₂
V-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table V-42.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H	NH ₂
V-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H	NH ₂
V-42-8	Et	*	H	*	Bz	H	H	F	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-43.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H	NH ₂
V-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-44.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H	NH ₂
V-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-45.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H	NH ₂
V-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H	NH ₂
V-45-8	Ph	*	H	*	Bz	H	H	F	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-46.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H	NH ₂
V-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-47.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H	NH ₂
V-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-48.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H	NH ₂
V-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H	NH ₂

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-49.

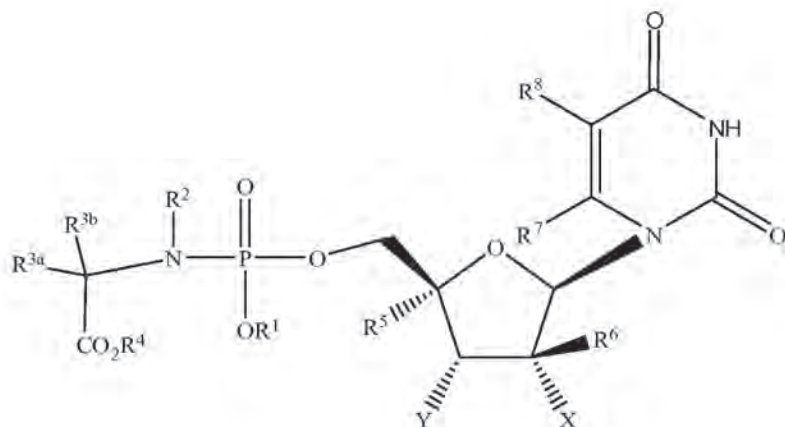
No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸	R ⁹
V-49-1	p-Br-Ph	H	H	H	Bz	H	H	F	OH	H	H	NH ₂
V-49-2	p-Br-Ph	H	H	CH ₃	Bz	H	H	F	OH	H	H	NH ₂
V-49-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Bz	H	H	F	OH	H	H	NH ₂
V-49-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H	NH ₂
V-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	H	H	F	OH	H	H	NH ₂
V-49-6	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table V-50.

No	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H	NH ₂
V-50-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.



VI

Table VI-1.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H
VI-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH	H	H
VI-1-8	CH ₃	*	H	*	CH ₃	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-2.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H
VI-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH	H	H
VI-2-8	Et	*	H	*	CH ₃	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H
VI-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH	H	H
VI-3-8	ⁱ Pr	*	H	*	CH ₃	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H
VI-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH	H	H
VI-4-8	^t Bu	*	H	*	CH ₃	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H
VI-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH	H	H
VI-5-8	Ph	*	H	*	CH ₃	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H
VI-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH	H	H
VI-6-8	p-Me-Ph	*	H	*	CH ₃	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H
VI-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH	H	H
VI-7-20	p-F-Ph	*	H	*	CH ₃	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H
VI-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH	H	H
VI-8-8	p-Cl-Ph	*	H	*	CH ₃	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H
VI-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH	H	H
VI-9-20	p-Br-Ph	*	H	*	CH ₃	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H
VI-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH	H	H
VI-10-8	p-I-Ph	*	H	*	CH ₃	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-11.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H
VI-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H
VI-11-8	CH ₃	*	H	*	Et	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-12.

No.	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H
VI-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H
VI-12-8	Et	*	H	*	Et	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-13.

No.	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H
VI-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H
VI-13-8	ⁱ Pr	*	H	*	Et	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-14.

No.	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H
VI-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H
VI-14-8	^t Bu	*	H	*	Et	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-15.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H
VI-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H
VI-15-8	Ph	*	H	*	Et	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-16.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
VI-16-1	p-Mc-Ph	H	H	H	Et	H	F	H	OH	H	H
VI-16-2	p-Mc-Ph	H	H	CH ₃	Et	H	F	H	OH	H	H
VI-16-3	p-Mc-Ph	H	H	CH(CH ₃) ₂	Et	H	F	H	OH	H	H
VI-16-4	p-Mc-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H
VI-16-5	p-Mc-Ph	H	H	CH ₃ Ph	Et	H	F	H	OH	H	H
VI-16-6	p-Mc-Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	H	OH	H	H
VI-16-7	p-Mc-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H
VI-16-8	p-Mc-Ph	*	H	*	Et	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-17.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H
VI-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H
VI-17-8	p-F-Ph	*	H	*	Et	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-18.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H
VI-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H
VI-18-8	p-Cl-Ph	*	H	*	Et	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-19.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H
VI-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H
VI-19-8	p-Br-Ph	*	H	*	Et	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-20.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H
VI-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H
VI-20-8	p-I-Ph	*	H	*	Et	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H
VI-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH	H	H
VI-21-8	CH ₃	*	H	*	ⁱ Pr	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H
VI-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH	H	H
VI-22-8	Et	*	H	*	ⁱ Pr	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H
VI-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH	H	H
VI-23-8	ⁱ Pr	*	H	*	ⁱ Pr	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-24.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H
VI-24-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH	H	H
VI-24-8	^t Bu	*	H	*	ⁱ Pr	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H
VI-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH	H	H
VI-25-8	Ph	*	H	*	ⁱ Pr	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H
VI-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH	H	H
VI-26-8	p-Me-Ph	*	H	*	ⁱ Pr	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H
VI-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH	H	H
VI-27-8	p-F-Ph	*	H	*	ⁱ Pr	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H
VI-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH	H	H
VI-28-8	p-Cl-Ph	*	H	*	ⁱ Pr	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H
VI-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH	H	H
VI-29-8	p-Br-Ph	*	H	*	ⁱ Pr	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H
VI-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH	H	H
VI-30-8	p-I-Ph	*	H	*	ⁱ Pr	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H
VI-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH	H	H
VI-31-8	CH ₃	*	H	*	ⁿ Bu	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H
VI-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH	H	H
VI-32-8	Et	*	H	*	ⁿ Bu	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H
VI-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH	H	H
VI-33-8	ⁱ Pr	*	H	*	ⁿ Bu	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-34.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H
VI-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH	H	H
VI-34-8	^t Bu	*	H	*	ⁿ Bu	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H
VI-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH	H	H
VI-35-8	Ph	*	H	*	ⁿ Bu	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H
VI-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH	H	H
VI-36-8	p-Me-Ph	*	H	*	ⁿ Bu	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H
VI-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH	H	H
VI-37-8	p-F-Ph	*	H	*	ⁿ Bu	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H
VI-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH	H	H
VI-38-8	p-Cl-Ph	*	H	*	ⁿ Bu	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H
VI-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH	H	H
VI-39-8	p-Br-Ph	*	H	*	ⁿ Bu	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H
VI-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH	H	H
VI-40-8	p-I-Ph	*	H	*	ⁿ Bu	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VI-41.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H
VI-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H
VI-41-8	CH ₃	*	H	*	Bz	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-42.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H
VI-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H
VI-42-8	Et	*	H	*	Bz	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-43.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H
VI-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H
VI-43-8	ⁱ Pr	*	H	*	Bz	H	F	H	OH	H	H

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-44.

No.	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H
VI-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H
VI-44-8	^t Bu	*	H	*	Bz	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-45.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H
VI-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H
VI-45-8	Ph	*	H	*	Bz	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-46.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H
VI-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H
VI-46-8	p-Me-Ph	*	H	*	Bz	H	F	H	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-47.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H
VI-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-48.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H
VI-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H
VI-48-8	p-Cl-Ph	*	H	*	Bz	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-49.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H
VI-49-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H
VI-49-8	p-Br-Ph	*	H	*	Bz	H	F	H	OH	H	H

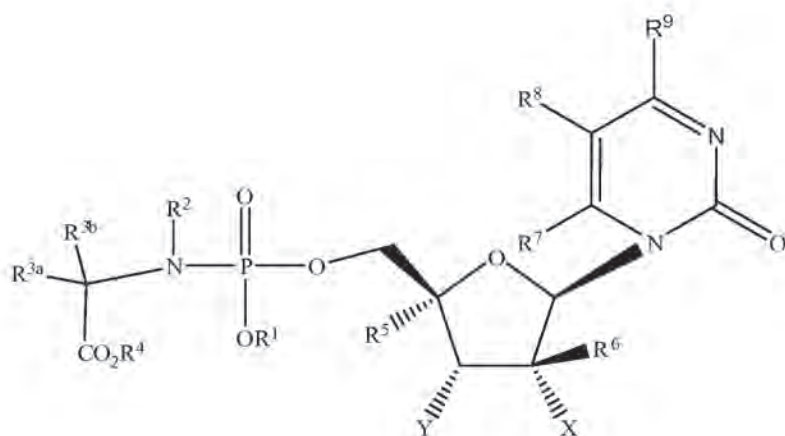
5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VI-50.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H
VI-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	H	F	H	OH	H	H

No	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H
VI-50-8	p-I-Ph	*	H	*	Bz	H	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.



VII

5

Table VII-1.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H	NH ₂
VII-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-2.

No	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

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H	NH ₂
VII-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H	NH ₂
VII-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H	NH ₂
VII-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H	NH ₂
VII-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H	NH ₂
VII-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H	NH ₂
VII-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H	NH ₂
VII-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H	NH ₂
VII-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VII-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH	H	H	NH ₂
VII-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-11.

N ^o	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H	NH ₂
VII-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-12.

N ^o	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H	NH ₂
VII-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H	NH ₂
VII-12-8	Et	*	H	*	Et	H	F	H	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VII-13.

N ^o	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H	NH ₂
VII-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-14.

No	R ¹	R ²	R	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸	R ⁹
			3a									
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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H	NH ₂
VII-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-15.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H	NH ₂
VII-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	H	OH	H	H	NH ₂
VII-15-8	Ph	*	H	*	Et	H	F	H	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VII-16.

No	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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No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H	NH ₂
VII-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-17.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H	NH ₂
VII-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-18.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H	NH ₂
VII-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-19.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H	NH ₂
VII-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-20.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	H	OH	H	H	NH ₂
VII-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VII-21.

No	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	^t Pr	H	F	H	OH	H	H	NH ₂
VII-21-2	CH ₃	H	H	CH ₃	^t Pr	H	F	H	OH	H	H	NH ₂
VII-21-3	CH ₃	H	H	CH(CH ₃) ₂	^t Pr	H	F	H	OH	H	H	NH ₂
VII-21-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	^t Pr	H	F	H	OH	H	H	NH ₂
VII-21-5	CH ₃	H	H	CH ₂ Ph	^t Pr	H	F	H	OH	H	H	NH ₂
VII-21-6	CH ₃	H	H	CH ₂ -indol-3-yl	^t Pr	H	F	H	OH	H	H	NH ₂
VII-21-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	^t Pr	H	F	H	OH	H	H	NH ₂
VII-21-8	CH ₃	*	H	*	^t Pr	H	F	H	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H	NH ₂
VII-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H	NH ₂
VII-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VII-24.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H	NH ₂
VII-24-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H	NH ₂
VII-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H	NH ₂
VII-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VII-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H	NH ₂
VII-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H	NH ₂
VII-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H	NH ₂
VII-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VII-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH	H	H	NH ₂
VII-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-31.

N ₂	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H	NH ₂
VII-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-32.

N ₂	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H	NH ₂
VII-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VII-33.

N ₂	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H	NH ₂
VII-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-34.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H	NH ₂
VII-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H	NH ₂
VII-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VII-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H	NH ₂
VII-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H	NH ₂
VII-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H	NH ₂
VII-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VII-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H	NH ₂
VII-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-40.

N ₂	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH	H	H	NH ₂
VII-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-41.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H	NH ₂
VII-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VII-42.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H	NH ₂
VII-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H	NH ₂
VII-42-8	Et	*	H	*	Bz	H	F	H	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-43.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H	NH ₂
VII-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-44.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H	NH ₂
VII-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-45.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H	NH ₂
VII-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H	NH ₂
VII-45-8	Ph	*	H	*	Bz	H	F	H	OH	H	H	NH ₂

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-46.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H	NH ₂
VII-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-47.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H	NH ₂
VII-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-48.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H	NH ₂
VII-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	H	OH	H	H	NH ₂

N _o	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-49.

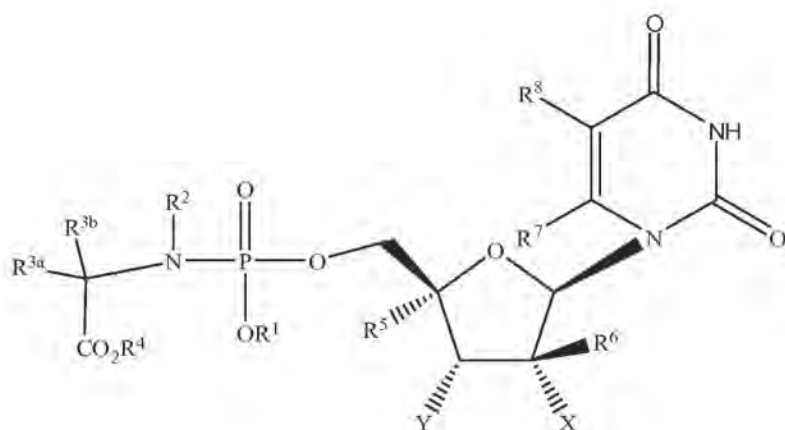
N _o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸	R ⁹
VII-49-1	p-Br-Ph	H	H	H	Bz	H	F	H	OH	H	H	NH ₂
VII-49-2	p-Br-Ph	H	H	CH ₃	Bz	H	F	H	OH	H	H	NH ₂
VII-49-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Bz	H	F	H	OH	H	H	NH ₂
VII-49-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H	NH ₂
VII-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	H	F	H	OH	H	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VII-50.

N _o	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 ₂ CH(CH ₃) ₂	Bz	H	F	H	OH	H	H	NH ₂
VII-50-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.



VIII

Table VIII-1.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H
VIII-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-2.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H
VIII-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	OH	OH	H	H
VIII-2-8	Et	*	H	*	CH ₃	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H
VIII-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H
VIII-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H
VIII-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	OH	OH	H	H
VIII-5-8	Ph	*	H	*	CH ₃	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H
VIII-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H
VIII-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H
VIII-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H
VIII-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	OH	OH	H	H
VIII-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-11.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H
VIII-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	OH	OH	H	H
VIII-11-8	CH ₃	*	H	*	Et	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-12.

N ₂	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H
VIII-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	OH	OH	H	H
VIII-12-8	Et	*	H	*	Et	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-13.

N ₂	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H
VIII-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	OH	OH	H	H
VIII-13-8	ⁱ Pr	*	H	*	Et	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-14.

N ₂	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H
VIII-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	OH	OH	H	H
VIII-14-8	^t Bu	*	H	*	Et	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-15.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H
VIII-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	OH	OH	H	H
VIII-15-8	Ph	*	H	*	Et	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-16.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H
VIII-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	OH	OH	H	H
VIII-16-8	p-Me-Ph	*	H	*	Et	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-17.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H
VIII-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	OH	OH	H	H
VIII-17-8	p-F-Ph	*	H	*	Et	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-18.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H
VIII-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	OH	OH	H	H
VIII-18-8	p-Cl-Ph	*	H	*	Et	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-19.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H
VIII-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	OH	OH	H	H
VIII-19-8	p-Br-Ph	*	H	*	Et	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-20.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	OH	OH	H	H
VIII-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	OH	OH	H	H
VIII-20-8	p-I-Ph	*	H	*	Et	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-22-8	Et	*	H	*	ⁱ Pr	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-24.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
VIII-24-1	ⁱ Bu	H	H	H	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-24-2	ⁱ Bu	H	H	CH ₃	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-24-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-24-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-24-5	ⁱ Bu	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-24-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-24-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-24-8	ⁱ Bu	*	H	*	ⁱ Pr	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-25-8	Ph	*	H	*	ⁱ Pr	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-30.

N ^o	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	OH	OH	H	H
VIII-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-31.

N ^o	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-32.

N ^o	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-32-8	Et	*	H	*	ⁿ Bu	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-34.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
VIII-34-1	ⁱ Bu	H	H	H	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-34-2	ⁱ Bu	H	H	CH ₃	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-34-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-34-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-34-5	ⁱ Bu	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-34-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-34-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-34-8	ⁱ Bu	*	H	*	ⁿ Bu	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-35-8	Ph	*	H	*	ⁿ Bu	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-39.

N ₂	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-40.

N ₂	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	OH	OH	H	H
VIII-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table VIII-41.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H
VIII-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	OH	OH	H	H
VIII-41-8	CH ₃	*	H	*	Bz	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-42.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H
VIII-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	OH	OH	H	H
VIII-42-8	Et	*	H	*	Bz	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-43.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H
VIII-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	OH	OH	H	H
VIII-43-8	ⁱ Pr	*	H	*	Bz	H	CH ₃	OH	OH	H	H

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-44.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H
VIII-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	OH	OH	H	H
VIII-44-8	^t Bu	*	H	*	Bz	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-45.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H
VIII-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	OH	OH	H	H
VIII-45-8	Ph	*	H	*	Bz	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-46.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H
VIII-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	OH	OH	H	H
VIII-46-8	p-Me-Ph	*	H	*	Bz	H	CH ₃	OH	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-47.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H
VIII-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	OH	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-48.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H
VIII-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	OH	OH	H	H
VIII-48-8	p-Cl-Ph	*	H	*	Bz	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-49.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H
VIII-49-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	OH	OH	H	H
VIII-49-8	p-Br-Ph	*	H	*	Bz	H	CH ₃	OH	OH	H	H

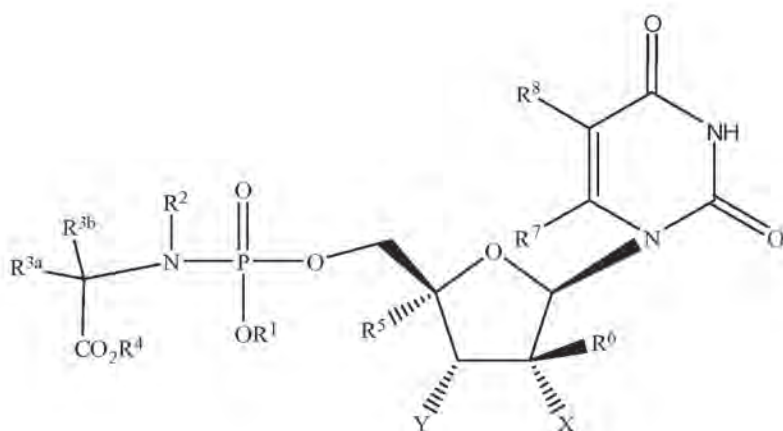
5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table VIII-50.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	OH	OH	H	H
VIII-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	H	CH ₃	OH	OH	H	H

No	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	OH	OH	H	H
VIII-50-8	p-I-Ph	*	H	*	Bz	H	CH ₃	OH	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.



IX

5

Table IX-1.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H
IX-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-2.

No	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

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H
IX-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH	H	H
IX-2-8	Et	*	H	*	CH ₃	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H
IX-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H
IX-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H
IX-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH	H	H
IX-5-8	Ph	*	H	*	CH ₃	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H
IX-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H
IX-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H
IX-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H
IX-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH	H	H
IX-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-11.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H
IX-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH	H	H
IX-11-8	CH ₃	*	H	*	Et	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-12.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H
IX-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH	H	H
IX-12-8	Et	*	H	*	Et	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-13.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H
IX-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH	H	H
IX-13-8	ⁱ Pr	*	H	*	Et	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-14.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H
IX-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH	H	H
IX-14-8	^t Bu	*	H	*	Et	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-15.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H
IX-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH	H	H
IX-15-8	Ph	*	H	*	Et	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-16.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H
IX-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH	H	H
IX-16-8	p-Me-Ph	*	H	*	Et	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-17.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H
IX-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH	H	H
IX-17-8	p-F-Ph	*	H	*	Et	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-18.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H
IX-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH	H	H
IX-18-8	p-Cl-Ph	*	H	*	Et	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-19.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H
IX-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH	H	H
IX-19-8	p-Br-Ph	*	H	*	Et	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-20.

No	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 ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH	H	H
IX-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH	H	H
IX-20-8	p-I-Ph	*	H	*	Et	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-22-8	Et	*	H	*	ⁱ Pr	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-24.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-24-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-25-8	Ph	*	H	*	ⁱ Pr	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH	H	H
IX-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-32-8	Et	*	H	*	ⁿ Bu	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-34.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-35-8	Ph	*	H	*	ⁿ Bu	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-36.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
IX-36-1	p-Mc-Ph	H	H	H	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-36-2	p-Mc-Ph	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-36-3	p-Mc-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-36-4	p-Mc-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-36-5	p-Mc-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-36-6	p-Mc-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-36-7	p-Mc-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-36-8	p-Mc-Ph	*	H	*	ⁿ Bu	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH	H	H
IX-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-41.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H
IX-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH	H	H
IX-41-8	CH ₃	*	H	*	Bz	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-42.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H
IX-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH	H	H
IX-42-8	Et	*	H	*	Bz	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table IX-43.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H
IX-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH	H	H
IX-43-8	ⁱ Pr	*	H	*	Bz	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-44.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H
IX-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH	H	H
IX-44-8	^t Bu	*	H	*	Bz	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-45.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H
IX-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH	H	H
IX-45-8	Ph	*	H	*	Bz	H	CH ₃	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-46.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H
IX-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-47.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H
IX-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH	H	H
IX-47-8	p-F-Ph	*	H	*	Bz	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-48.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H
IX-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH	H	H
IX-48-8	p-Cl-Ph	*	H	*	Bz	H	CH ₃	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-49.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H
IX-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH	H	H

No	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH	H	H
IX-49-8	p-Br-Ph	*	H	*	Bz	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table IX-50.

No	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 ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH	H	H
IX-50-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH	H	H
IX-50-8	p-I-Ph	*	H	*	Bz	H	CH ₃	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5

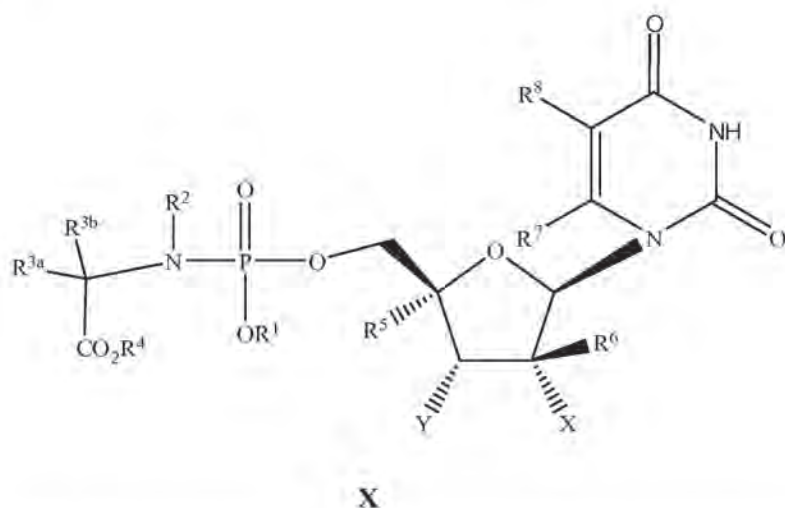


Table X-1.

No	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

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H
X-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH	H	H
X-1-8	CH ₃	*	H	*	CH ₃	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-2.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H
X-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH	H	H
X-2-8	Et	*	H	*	CH ₃	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H
X-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH	H	H
X-3-8	ⁱ Pr	*	H	*	CH ₃	H	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H
X-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH	H	H
X-4-8	^t Bu	*	H	*	CH ₃	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H
X-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH	H	H
X-5-8	Ph	*	H	*	CH ₃	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H
X-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH	H	H
X-6-8	p-Me-Ph	*	H	*	CH ₃	H	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H
X-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH	H	H
X-7-20	p-F-Ph	*	H	*	CH ₃	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H
X-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH	H	H
X-8-8	p-Cl-Ph	*	H	*	CH ₃	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table X-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H
X-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH	H	H
X-9-20	p-Br-Ph	*	H	*	CH ₃	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH	H	H
X-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH	H	H
X-10-8	p-I-Ph	*	H	*	CH ₃	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-11.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H
X-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H	H
X-11-8	CH ₃	*	H	*	Et	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table X-12.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H
X-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H	H
X-12-8	Et	*	H	*	Et	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-13.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H
X-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H	H
X-13-8	ⁱ Pr	*	H	*	Et	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-14.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H
X-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H	H
X-14-8	^t Bu	*	H	*	Et	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table X-15.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H
X-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H	H
X-15-8	Ph	*	H	*	Et	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-16.

N ₆	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H
X-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H	H
X-16-8	p-Me-Ph	*	H	*	Et	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-17.

N ₆	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H
X-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H	H
X-17-8	p-F-Ph	*	H	*	Et	H	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-18.

N ₆	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H
X-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-19.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H	H
X-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H	H
X-19-8	p-Br-Ph	*	H	*	Et	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-20.

No	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 ₂ CH(CH ₃) ₂	Et	H	F	F	OH	H
X-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	F	F	OH	H
X-20-8	p-I-Ph	*	H	*	Et	H	F	F	OH	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H
X-21-5	CH ₃	H	H	CH ₂ Ph	ⁱ Pr	H	F	F	OH	H	H

No	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH	H	H
X-21-8	CH ₃	*	H	*	ⁱ Pr	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H
X-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH	H	H
X-22-8	Et	*	H	*	ⁱ Pr	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H
X-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH	H	H
X-23-8	ⁱ Pr	*	H	*	ⁱ Pr	H	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-24.

No	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

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H
X-24-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH	H	H
X-24-8	^t Bu	*	H	*	ⁱ Pr	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H
X-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH	H	H
X-25-8	Ph	*	H	*	ⁱ Pr	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H
X-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH	H	H
X-26-8	p-Me-Ph	*	H	*	ⁱ Pr	H	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-27.

No	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

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H
X-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH	H	H
X-27-8	p-F-Ph	*	H	*	ⁱ Pr	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H
X-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH	H	H
X-28-8	p-Cl-Ph	*	H	*	ⁱ Pr	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H
X-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH	H	H
X-29-8	p-Br-Ph	*	H	*	ⁱ Pr	H	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH	H	H
X-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH	H	H
X-30-8	p-I-Ph	*	H	*	ⁱ Pr	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H
X-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH	H	H
X-31-8	CH ₃	*	H	*	ⁿ Bu	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H
X-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH	H	H
X-32-8	Et	*	H	*	ⁿ Bu	H	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H
X-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH	H	H
X-33-8	ⁱ Pr	*	H	*	ⁿ Bu	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-34.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H
X-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH	H	H
X-34-8	^t Bu	*	H	*	ⁿ Bu	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table X-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H
X-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH	H	H
X-35-8	Ph	*	H	*	ⁿ Bu	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H
X-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH	H	H
X-36-8	p-Me-Ph	*	H	*	ⁿ Bu	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H
X-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH	H	H
X-37-8	p-F-Ph	*	H	*	ⁿ Bu	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table X-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H
X-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH	H	H
X-38-8	p-Cl-Ph	*	H	*	ⁿ Bu	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H
X-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH	H	H
X-39-8	p-Br-Ph	*	H	*	ⁿ Bu	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH	H	H
X-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH	H	H
X-40-8	p-I-Ph	*	H	*	ⁿ Bu	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table X-41.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H
X-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H
X-41-8	CH ₃	*	H	*	Bz	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-42.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H
X-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H
X-42-8	Et	*	H	*	Bz	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-43.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H
X-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H
X-43-8	ⁱ Pr	*	H	*	Bz	H	F	F	OH	H	H

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-44.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H
X-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H
X-44-8	^t Bu	*	H	*	Bz	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-45.

N ₆	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H
X-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H
X-45-8	Ph	*	H	*	Bz	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-46.

N ₆	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H
X-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H
X-46-8	p-Me-Ph	*	H	*	Bz	H	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-47.

N ₆	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H
X-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-48.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H
X-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H
X-48-8	p-Cl-Ph	*	H	*	Bz	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-49.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H
X-49-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H
X-49-8	p-Br-Ph	*	H	*	Bz	H	F	F	OH	H	H

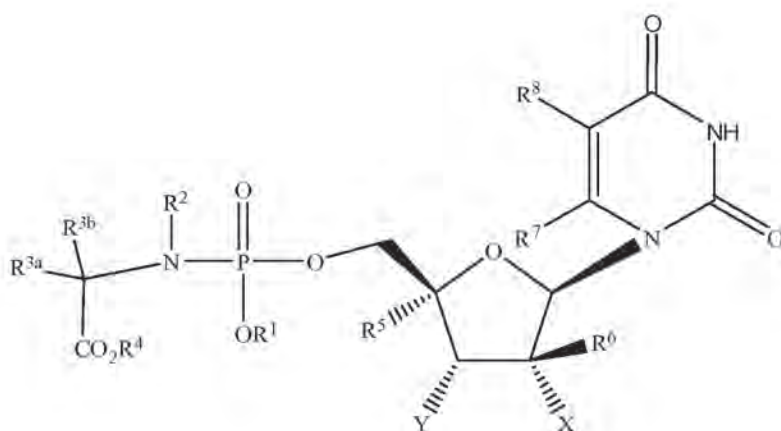
5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table X-50.

No	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 ₂ CH(CH ₃) ₂	Bz	H	F	F	OH	H	H
X-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	H	F	F	OH	H	H

No	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 ₂ CH ₂ SCH ₃	Bz	H	F	F	OH	H	H
X-50-8	p-I-Ph	*	H	*	Bz	H	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

**XI**

5

Table XI-1.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H
XI-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH	H	H
XI-1-8	CH ₃	*	H	*	CH ₃	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-2.

No	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

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H
XI-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH	H	H
XI-2-8	Et	*	H	*	CH ₃	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H
XI-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH	H	H
XI-3-8	ⁱ Pr	*	H	*	CH ₃	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H
XI-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH	H	H
XI-4-8	^t Bu	*	H	*	CH ₃	H	H	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H
XI-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH	H	H
XI-5-8	Ph	*	H	*	CH ₃	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H
XI-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH	H	H
XI-6-8	p-Me-Ph	*	H	*	CH ₃	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H
XI-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH	H	H
XI-7-20	p-F-Ph	*	H	*	CH ₃	H	H	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H
XI-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH	H	H
XI-8-8	p-Cl-Ph	*	H	*	CH ₃	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H
XI-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH	H	H
XI-9-20	p-Br-Ph	*	H	*	CH ₃	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH	H	H
XI-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH	H	H
XI-10-8	p-I-Ph	*	H	*	CH ₃	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-11.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H
XI-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H
XI-11-8	CH ₃	*	H	*	Et	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-12.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H
XI-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H
XI-12-8	Et	*	H	*	Et	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-13.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H
XI-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H
XI-13-8	ⁱ Pr	*	H	*	Et	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-14.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H
XI-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H
XI-14-8	^t Bu	*	H	*	Et	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-15.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H
XI-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H
XI-15-8	Ph	*	H	*	Et	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-16.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H
XI-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H
XI-16-8	p-Me-Ph	*	H	*	Et	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-17.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H
XI-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H
XI-17-8	p-F-Ph	*	H	*	Et	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-18.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H
XI-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H
XI-18-8	p-Cl-Ph	*	H	*	Et	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-19.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H
XI-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H
XI-19-8	p-Br-Ph	*	H	*	Et	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-20.

No	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 ₂ CH(CH ₃) ₂	Et	H	H	F	OH	H	H
XI-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	H	H	F	OH	H	H
XI-20-8	p-I-Ph	*	H	*	Et	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H
XI-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH	H	H
XI-21-8	CH ₃	*	H	*	ⁱ Pr	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H
XI-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH	H	H
XI-22-8	Et	*	H	*	ⁱ Pr	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H
XI-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH	H	H
XI-23-8	ⁱ Pr	*	H	*	ⁱ Pr	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-24.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H
XI-24-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH	H	H
XI-24-8	^t Bu	*	H	*	ⁱ Pr	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H
XI-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH	H	H
XI-25-8	Ph	*	H	*	ⁱ Pr	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H
XI-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH	H	H
XI-26-8	p-Me-Ph	*	H	*	ⁱ Pr	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H
XI-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH	H	H
XI-27-8	p-F-Ph	*	H	*	ⁱ Pr	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H
XI-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH	H	H
XI-28-8	p-Cl-Ph	*	H	*	ⁱ Pr	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H
XI-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH	H	H
XI-29-8	p-Br-Ph	*	H	*	ⁱ Pr	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH	H	H
XI-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH	H	H
XI-30-8	p-I-Ph	*	H	*	ⁱ Pr	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H
XI-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH	H	H
XI-31-8	CH ₃	*	H	*	ⁿ Bu	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H
XI-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH	H	H
XI-32-8	Et	*	H	*	ⁿ Bu	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H
XI-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH	H	H
XI-33-8	ⁱ Pr	*	H	*	ⁿ Bu	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-34.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H
XI-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH	H	H
XI-34-8	^t Bu	*	H	*	ⁿ Bu	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H
XI-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH	H	H
XI-35-8	Ph	*	H	*	ⁿ Bu	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-36.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XI-36-1	p-Mc-Ph	H	H	H	ⁿ Bu	H	H	F	OH	H	H
XI-36-2	p-Mc-Ph	H	H	CH ₃	ⁿ Bu	H	H	F	OH	H	H
XI-36-3	p-Mc-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H
XI-36-4	p-Mc-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H
XI-36-5	p-Mc-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	H	F	OH	H	H
XI-36-6	p-Mc-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	H	F	OH	H	H
XI-36-7	p-Mc-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH	H	H
XI-36-8	p-Mc-Ph	*	H	*	ⁿ Bu	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H
XI-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH	H	H
XI-37-8	p-F-Ph	*	H	*	ⁿ Bu	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H
XI-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH	H	H
XI-38-8	p-Cl-Ph	*	H	*	ⁿ Bu	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H
XI-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH	H	H
XI-39-8	p-Br-Ph	*	H	*	ⁿ Bu	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH	H	H
XI-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH	H	H
XI-40-8	p-I-Ph	*	H	*	ⁿ Bu	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-41.

No	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H
XI-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H
XI-41-8	CH ₃	*	H	*	Bz	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-42.

No	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H
XI-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H
XI-42-8	Et	*	H	*	Bz	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XI-43.

No	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H
XI-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H
XI-43-8	ⁱ Pr	*	H	*	Bz	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-44.

No	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H
XI-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H
XI-44-8	^t Bu	*	H	*	Bz	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-45.

No	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H
XI-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H
XI-45-8	Ph	*	H	*	Bz	H	H	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-46.

No	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H
XI-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-47.

No	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H
XI-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H
XI-47-8	p-F-Ph	*	H	*	Bz	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-48.

No	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H
XI-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H
XI-48-8	p-Cl-Ph	*	H	*	Bz	H	H	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-49.

No	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H
XI-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	H	H	F	OH	H	H

No	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H
XI-49-8	p-Br-Ph	*	H	*	Bz	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XI-50.

No	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 ₂ CH(CH ₃) ₂	Bz	H	H	F	OH	H	H
XI-50-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	H	H	F	OH	H	H
XI-50-8	p-I-Ph	*	H	*	Bz	H	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5

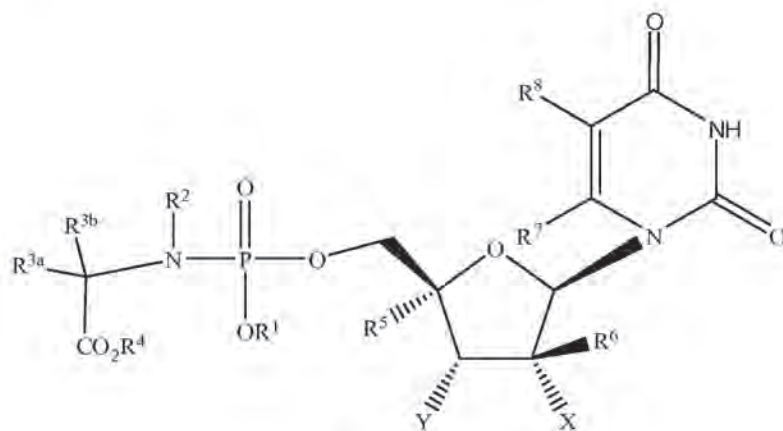
**XII**

Table XII-1.

No	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

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	F	OH	H	H
XII-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-2.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	F	OH	H	H
XII-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	N ₃	F	F	OH	H	H
XII-2-8	Et	*	H	*	CH ₃	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	F	OH	H	H
XII-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	F	OH	H	H
XII-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	F	OH	H	H
XII-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	N ₃	F	F	OH	H	H
XII-5-8	Ph	*	H	*	CH ₃	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	F	OH	H	H
XII-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	F	OH	H	H
XII-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	F	OH	H	H
XII-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XII-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	F	OH	H	H
XII-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	F	OH	H	H
XII-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-11.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	F	OH	H	H
XII-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	F	OH	H	H
XII-11-8	CH ₃	*	H	*	Et	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XII-12.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	F	OH	H	H
XII-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	F	OH	H	H
XII-12-8	Et	*	H	*	Et	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-13.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	F	OH	H	H
XII-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	F	OH	H	H
XII-13-8	ⁱ Pr	*	H	*	Et	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-14.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XII-14-1	ⁱ Bu	H	H	H	Et	N	F	F	OH	H	H
XII-14-2	ⁱ Bu	H	H	CH ₃	Et	N	F	F	OH	H	H
XII-14-3	ⁱ Bu	H	H	CH(CH ₃) ₂	Et	N	F	F	OH	H	H
XII-14-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	Et	N	F	F	OH	H	H
XII-14-5	ⁱ Bu	H	H	CH ₂ Ph	Et	N	F	F	OH	H	H
XII-14-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	Et	N	F	F	OH	H	H
XII-14-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	Et	N	F	F	OH	H	H
XII-14-8	ⁱ Bu	*	H	*	Et	N	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XII-15.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
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No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	F	OH	H	H
XII-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	F	OH	H	H
XII-15-8	Ph	*	H	*	Et	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-16.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	F	OH	H	H
XII-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	F	OH	H	H
XII-16-8	p-Me-Ph	*	H	*	Et	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-17.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	F	OH	H	H
XII-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	F	OH	H	H
XII-17-8	p-F-Ph	*	H	*	Et	N ₃	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-18.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	F	OH	H	H
XII-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	F	OH	H	H
XII-18-8	p-Cl-Ph	*	H	*	Et	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-19.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	F	OH	H	H
XII-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	F	OH	H	H
XII-19-8	p-Br-Ph	*	H	*	Et	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XII-20.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	F	OH	H
XII-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	F	OH	H
XII-20-8	p-I-Ph	*	H	*	Et	N ₃	F	F	OH	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	F	OH	H	H
XII-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	F	OH	H	H
XII-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	N ₃	F	F	OH	H	H
XII-22-8	Et	*	H	*	ⁱ Pr	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XII-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	F	OH	H	H
XII-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-24.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	F	OH	H	H
XII-24-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	F	OH	H	H
XII-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	N ₃	F	F	OH	H	H
XII-25-8	Ph	*	H	*	ⁱ Pr	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XII-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	F	OH	H	H
XII-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	F	OH	H	H
XII-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	F	OH	H	H
XII-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XII-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	F	OH	H	H
XII-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	F	OH	H	H
XII-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	F	OH	H	H
XII-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XII-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	F	OH	H	H
XII-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	N ₃	F	F	OH	H	H
XII-32-8	Et	*	H	*	ⁿ Bu	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	F	OH	H	H
XII-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-34.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XII-34-1	ⁱ Bu	H	H	H	ⁿ Bu	N ₃	F	F	OH	H	H
XII-34-2	ⁱ Bu	H	H	CH ₃	ⁿ Bu	N ₃	F	F	OH	H	H
XII-34-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁿ Bu	N ₃	F	F	OH	H	H
XII-34-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	F	OH	H	H
XII-34-5	ⁱ Bu	H	H	CH ₂ Ph	ⁿ Bu	N ₃	F	F	OH	H	H
XII-34-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁿ Bu	N ₃	F	F	OH	H	H
XII-34-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	N ₃	F	F	OH	H	H
XII-34-8	ⁱ Bu	*	H	*	ⁿ Bu	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XII-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	F	OH	H	H
XII-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	N ₃	F	F	OH	H	H
XII-35-8	Ph	*	H	*	ⁿ Bu	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	F	OH	H	H
XII-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	F	OH	H	H
XII-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XII-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	F	OH	H	H
XII-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	F	OH	H	H
XII-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	F	OH	H	H
XII-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XII-41.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	F	OH	H	H
XII-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	F	OH	H	H
XII-41-8	CH ₃	*	H	*	Bz	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-42.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	F	OH	H	H
XII-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	F	OH	H	H
XII-42-8	Et	*	H	*	Bz	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-43.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	F	OH	H	H
XII-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	F	OH	H	H
XII-43-8	ⁱ Pr	*	H	*	Bz	N ₃	F	F	OH	H	H

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-44.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	F	OH	H	H
XII-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	F	OH	H	H
XII-44-8	^t Bu	*	H	*	Bz	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-45.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	F	OH	H	H
XII-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	F	OH	H	H
XII-45-8	Ph	*	H	*	Bz	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-46.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	F	OH	H	H
XII-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	F	OH	H	H
XII-46-8	p-Me-Ph	*	H	*	Bz	N ₃	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-47.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	F	OH	H	H
XII-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	F	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-48.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	F	OH	H	H
XII-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	F	OH	H	H
XII-48-8	p-Cl-Ph	*	H	*	Bz	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-49.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	F	OH	H	H
XII-49-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	F	OH	H	H
XII-49-8	p-Br-Ph	*	H	*	Bz	N ₃	F	F	OH	H	H

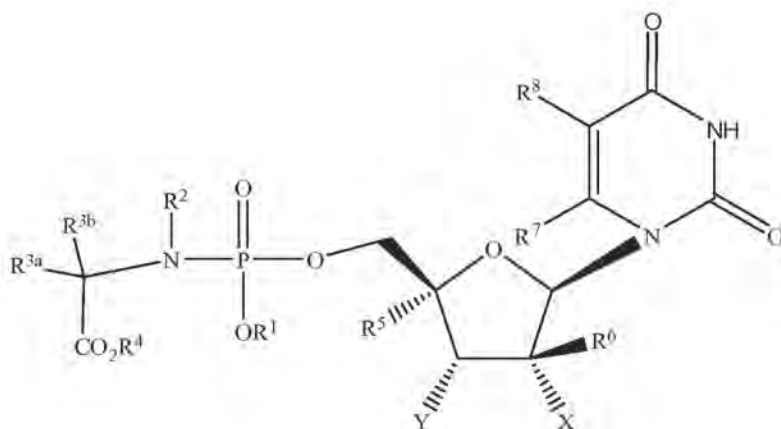
5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XII-50.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	F	OH	H	H
XII-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	N ₃	F	F	OH	H	H

No	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	F	OH	H	H
XII-50-8	p-I-Ph	*	H	*	Bz	N ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.



XIII

5

Table XIII-1.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	H	F	OH	H	H
XIII-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-2.

No	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

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	H	F	OH	H	H
XIII-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	N ₃	H	F	OH	H	H
XIII-2-8	Et	*	H	*	CH ₃	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	H	F	OH	H	H
XIII-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	H	F	OH	H	H
XIII-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	H	F	OH	H	H
XIII-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	N ₃	H	F	OH	H	H
XIII-5-8	Ph	*	H	*	CH ₃	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	H	F	OH	H	H
XIII-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	H	F	OH	H	H
XIII-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	H	F	OH	H	H
XIII-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	H	F	OH	H	H
XIII-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	H	F	OH	H	H
XIII-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-11.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	H	F	OH	H	H
XIII-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	H	F	OH	H	H
XIII-11-8	CH ₃	*	H	*	Et	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-12.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	H	F	OH	H	H
XIII-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	H	F	OH	H	H
XIII-12-8	Et	*	H	*	Et	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-13.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	H	F	OH	H	H
XIII-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	H	F	OH	H	H
XIII-13-8	ⁱ Pr	*	H	*	Et	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-14.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	H	F	OH	H	H
XIII-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	H	F	OH	H	H
XIII-14-8	^t Bu	*	H	*	Et	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-15.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	H	F	OH	H	H
XIII-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	H	F	OH	H	H
XIII-15-8	Ph	*	H	*	Et	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-16.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	H	F	OH	H	H
XIII-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	H	F	OH	H	H
XIII-16-8	p-Me-Ph	*	H	*	Et	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-17.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	H	F	OH	H	H
XIII-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	H	F	OH	H	H
XIII-17-8	p-F-Ph	*	H	*	Et	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-18.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	H	F	OH	H	H
XIII-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	H	F	OH	H	H
XIII-18-8	p-Cl-Ph	*	H	*	Et	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-19.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	H	F	OH	H	H
XIII-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	H	F	OH	H	H
XIII-19-8	p-Br-Ph	*	H	*	Et	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-20.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	H	F	OH	H	H
XIII-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	H	F	OH	H	H
XIII-20-8	p-I-Ph	*	H	*	Et	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-22-8	Et	*	H	*	ⁱ Pr	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-24.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIII-24-1	ⁱ Bu	H	H	H	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-24-2	ⁱ Bu	H	H	CH ₃	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-24-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-24-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-24-5	ⁱ Bu	H	H	CH ₂ Ph	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-24-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-24-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-24-8	ⁱ Bu	*	H	*	ⁱ Pr	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-25-8	Ph	*	H	*	ⁱ Pr	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	H	F	OH	H	H
XIII-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-32-8	Et	*	H	*	ⁿ Bu	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-34.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-35-8	Ph	*	H	*	ⁿ Bu	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	H	F	OH	H	H
XIII-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-41.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	H	F	OH	H	H
XIII-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	H	F	OH	H	H
XIII-41-8	CH ₃	*	H	*	Bz	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-42.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	H	F	OH	H	H
XIII-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	H	F	OH	H	H
XIII-42-8	Et	*	H	*	Bz	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIII-43.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	H	F	OH	H	H
XIII-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	H	F	OH	H	H
XIII-43-8	ⁱ Pr	*	H	*	Bz	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-44.

N _o	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 ₂ CH(CH ₃) ₂	Bz	N ₃	H	F	OH	H	H
XIII-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	H	F	OH	H	H
XIII-44-8	^t Bu	*	H	*	Bz	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-45.

N _o	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 ₂ CH(CH ₃) ₂	Bz	N ₃	H	F	OH	H	H
XIII-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	H	F	OH	H	H
XIII-45-8	Ph	*	H	*	Bz	N ₃	H	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-46.

N _o	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 ₂ CH(CH ₃) ₂	Bz	N ₃	H	F	OH	H	H
XIII-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	H	F	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-47.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	H	F	OH	H	H
XIII-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	H	F	OH	H	H
XIII-47-8	p-F-Ph	*	H	*	Bz	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-48.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	H	F	OH	H	H
XIII-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	H	F	OH	H	H
XIII-48-8	p-Cl-Ph	*	H	*	Bz	N ₃	H	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-49.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	H	F	OH	H	H
XIII-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	N ₃	H	F	OH	H	H

No	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 ₂ CH ₂ SCH ₃	Bz	N ₃	H	F	OH	H	H
XIII-49-8	p-Br-Ph	*	H	*	Bz	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIII-50.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	H	F	OH	H	H
XIII-50-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	H	F	OH	H	H
XIII-50-8	p-I-Ph	*	H	*	Bz	N ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5

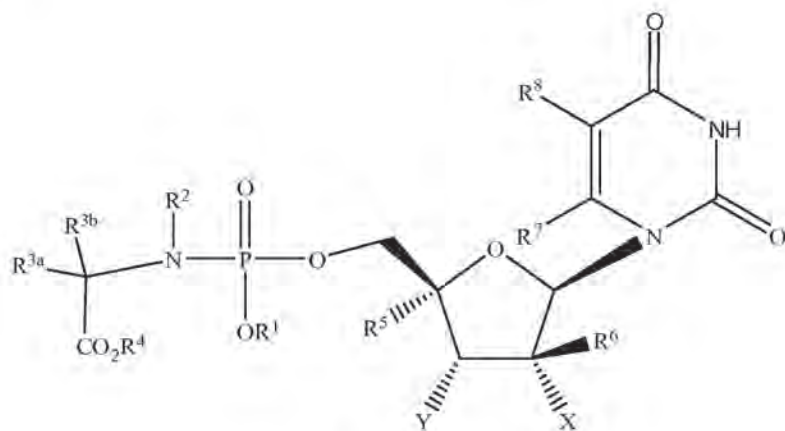
**XIV**

Table XIV-1.

No	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

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	H	OH	H	H
XIV-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-2.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	H	OH	H	H
XIV-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	N ₃	F	H	OH	H	H
XIV-2-8	Et	*	H	*	CH ₃	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-3.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIV-3-1	ⁱ Pr	H	H	H	CH ₃	N ₃	F	H	OH	H	H
XIV-3-2	ⁱ Pr	H	H	CH ₃	CH ₃	N ₃	F	H	OH	H	H
XIV-3-3	ⁱ Pr	H	H	CH(CH ₃) ₂	CH ₃	N ₃	F	H	OH	H	H
XIV-3-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	H	OH	H	H
XIV-3-5	ⁱ Pr	H	H	CH ₂ Ph	CH ₃	N ₃	F	H	OH	H	H
XIV-3-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	CH ₃	N ₃	F	H	OH	H	H
XIV-3-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	N ₃	F	H	OH	H	H
XIV-3-8	ⁱ Pr	*	H	*	CH ₃	N ₃	F	H	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	H	OH	H	H
XIV-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	H	OH	H	H
XIV-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	N ₃	F	H	OH	H	H
XIV-5-8	Ph	*	H	*	CH ₃	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	H	OH	H	H
XIV-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	H	OH	H	H
XIV-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	H	OH	H	H
XIV-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	H	OH	H	H
XIV-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	N ₃	F	H	OH	H	H
XIV-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-11.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	H	OH	H	H
XIV-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	H	OH	H	H
XIV-11-8	CH ₃	*	H	*	Et	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-12.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	H	OH	H	H
XIV-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	H	OH	H	H
XIV-12-8	Et	*	H	*	Et	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-13.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	H	OH	H	H
XIV-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	H	OH	H	H
XIV-13-8	ⁱ Pr	*	H	*	Et	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-14.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	H	OH	H	H
XIV-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	H	OH	H	H
XIV-14-8	^t Bu	*	H	*	Et	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-15.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	H	OH	H	H
XIV-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	H	OH	H	H
XIV-15-8	Ph	*	H	*	Et	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-16.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	H	OH	H	H
XIV-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	H	OH	H	H
XIV-16-8	p-Me-Ph	*	H	*	Et	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-17.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	H	OH	H	H
XIV-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	H	OH	H	H
XIV-17-8	p-F-Ph	*	H	*	Et	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-18.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	H	OH	H	H
XIV-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	H	OH	H	H
XIV-18-8	p-Cl-Ph	*	H	*	Et	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-19.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	H	OH	H	H
XIV-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	H	OH	H	H
XIV-19-8	p-Br-Ph	*	H	*	Et	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-20.

No	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 ₂ CH(CH ₃) ₂	Et	N ₃	F	H	OH	H	H
XIV-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	N ₃	F	H	OH	H	H
XIV-20-8	p-I-Ph	*	H	*	Et	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-22-8	Et	*	H	*	ⁱ Pr	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-24.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-24-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-25.

N ₂	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-25-8	Ph	*	H	*	ⁱ Pr	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-26.

N ₂	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-27.

N ₂	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	N ₃	F	H	OH	H	H
XIV-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-31.

N ₂	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-32.

N ₂	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-32-8	Et	*	H	*	ⁿ Bu	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-33.

N ₂	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-34.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIV-34-1	¹ Bu	H	H	H	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-34-2	¹ Bu	H	H	CH ₃	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-34-3	¹ Bu	H	H	CH(CH ₃) ₂	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-34-4	¹ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-34-5	¹ Bu	H	H	CH ₂ Ph	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-34-6	¹ Bu	H	H	CH ₂ -indol-3-yl	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-34-7	¹ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-34-8	¹ Bu	*	H	*	ⁿ Bu	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-35-8	Ph	*	H	*	ⁿ Bu	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	N ₃	F	H	OH	H	H
XIV-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-41.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	H	OH	H	H
XIV-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	H	OH	H	H
XIV-41-8	CH ₃	*	H	*	Bz	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIV-42.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	H	OH	H	H
XIV-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	H	OH	H	H
XIV-42-8	Et	*	H	*	Bz	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-43.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	H	OH	H	H
XIV-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	H	OH	H	H
XIV-43-8	ⁱ Pr	*	H	*	Bz	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-44.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	H	OH	H	H
XIV-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	H	OH	H	H
XIV-44-8	^t Bu	*	H	*	Bz	N ₃	F	H	OH	H	H

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-45.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	H	OH	H	H
XIV-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	H	OH	H	H
XIV-45-8	Ph	*	H	*	Bz	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-46.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	H	OH	H	H
XIV-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	H	OH	H	H
XIV-46-8	p-Me-Ph	*	H	*	Bz	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-47.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	H	OH	H	H
XIV-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	H	OH	H	H
XIV-47-8	p-F-Ph	*	H	*	Bz	N ₃	F	H	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-48.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	H	OH	H	H
XIV-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	H	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-49.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	H	OH	H	H
XIV-49-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	H	OH	H	H
XIV-49-8	p-Br-Ph	*	H	*	Bz	N ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIV-50.

No	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 ₂ CH(CH ₃) ₂	Bz	N ₃	F	H	OH	H	H
XIV-50-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	N ₃	F	H	OH	H	H
XIV-50-8	p-I-Ph	*	H	*	Bz	N ₃	F	H	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

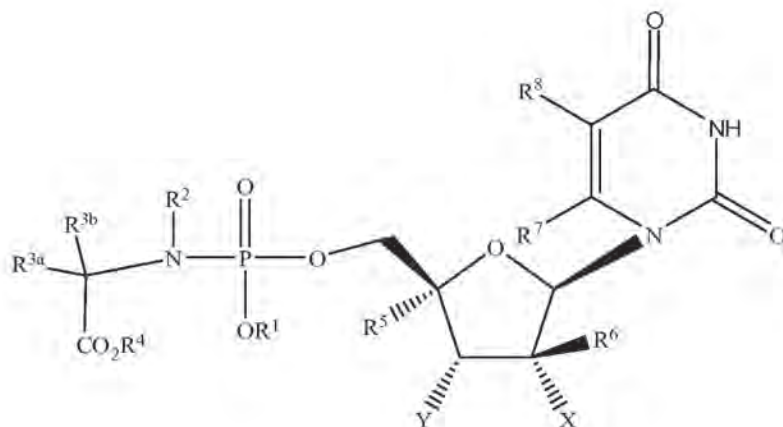
**XV**

Table XV-1.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	H	OH	H	H
XV-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	H	OH	H	H
XV-1-8	CH ₃	*	H	*	CH ₃	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-2.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	H	OH	H	H
XV-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	H	OH	H	H
XV-2-8	Et	*	H	*	CH ₃	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	H	OH	H	H
XV-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	H	OH	H	H
XV-3-8	ⁱ Pr	*	H	*	CH ₃	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	H	OH	H	H
XV-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	H	OH	H	H
XV-4-8	^t Bu	*	H	*	CH ₃	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	H	OH	H	H
XV-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	H	OH	H	H
XV-5-8	Ph	*	H	*	CH ₃	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	H	OH	H	H
XV-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	H	OH	H	H
XV-6-8	p-Me-Ph	*	H	*	CH ₃	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	H	OH	H	H
XV-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	H	OH	H	H
XV-7-20	p-F-Ph	*	H	*	CH ₃	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	H	OH	H	H
XV-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	H	OH	H	H
XV-8-8	p-Cl-Ph	*	H	*	CH ₃	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	H	OH	H	H
XV-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	H	OH	H	H
XV-9-20	p-Br-Ph	*	H	*	CH ₃	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	H	OH	H	H
XV-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	H	OH	H	H
XV-10-8	p-I-Ph	*	H	*	CH ₃	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-11.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	H	OH	H	H
XV-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	H	OH	H	H
XV-11-8	CH ₃	*	H	*	Et	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-12.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	H	OH	H	H
XV-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	H	OH	H	H
XV-12-8	Et	*	H	*	Et	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-13.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	H	OH	H	H
XV-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	H	OH	H	H
XV-13-8	ⁱ Pr	*	H	*	Et	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-14.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	H	OH	H	H
XV-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	H	OH	H	H
XV-14-8	^t Bu	*	H	*	Et	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-15.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	H	OH	H	H
XV-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	H	OH	H	H
XV-15-8	Ph	*	H	*	Et	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-16.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	H	OH	H	H
XV-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	H	OH	H	H
XV-16-8	p-Me-Ph	*	H	*	Et	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-17.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	H	OH	H	H
XV-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	H	OH	H	H
XV-17-8	p-F-Ph	*	H	*	Et	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-18.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	H	OH	H	H
XV-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	H	OH	H	H
XV-18-8	p-Cl-Ph	*	H	*	Et	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-19.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	H	OH	H	H
XV-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	H	OH	H	H
XV-19-8	p-Br-Ph	*	H	*	Et	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-20.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	H	OH	H	H
XV-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	H	OH	H	H
XV-20-8	p-I-Ph	*	H	*	Et	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	H	OH	H	H
XV-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	H	OH	H	H
XV-21-8	CH ₃	*	H	*	ⁱ Pr	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	H	OH	H	H
XV-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	H	OH	H	H
XV-22-8	Et	*	H	*	ⁱ Pr	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	H	OH	H	H
XV-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	H	OH	H	H
XV-23-8	ⁱ Pr	*	H	*	ⁱ Pr	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-24.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XV-24-1	ⁱ Bu	H	H	H	ⁱ Pr	F	F	H	OH	H	H
XV-24-2	ⁱ Bu	H	H	CH ₃	ⁱ Pr	F	F	H	OH	H	H
XV-24-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	F	F	H	OH	H	H
XV-24-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	H	OH	H	H
XV-24-5	ⁱ Bu	H	H	CH ₂ Ph	ⁱ Pr	F	F	H	OH	H	H
XV-24-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	F	F	H	OH	H	H
XV-24-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	H	OH	H	H
XV-24-8	ⁱ Bu	*	H	*	ⁱ Pr	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	H	OH	H	H
XV-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	H	OH	H	H
XV-25-8	Ph	*	H	*	ⁱ Pr	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	H	OH	H	H
XV-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	H	OH	H	H
XV-26-8	p-Me-Ph	*	H	*	ⁱ Pr	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	H	OH	H	H
XV-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	H	OH	H	H
XV-27-8	p-F-Ph	*	H	*	ⁱ Pr	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	H	OH	H	H
XV-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	H	OH	H	H
XV-28-8	p-Cl-Ph	*	H	*	ⁱ Pr	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	H	OH	H	H
XV-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	H	OH	H	H
XV-29-8	p-Br-Ph	*	H	*	ⁱ Pr	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	H	OH	H	H
XV-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	H	OH	H	H
XV-30-8	p-I-Ph	*	H	*	ⁱ Pr	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	H	OH	H	H
XV-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	H	OH	H	H
XV-31-8	CH ₃	*	H	*	ⁿ Bu	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	H	OH	H	H
XV-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	H	OH	H	H
XV-32-8	Et	*	H	*	ⁿ Bu	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	H	OH	H	H
XV-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	H	OH	H	H
XV-33-8	ⁱ Pr	*	H	*	ⁿ Bu	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-34.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XV-34-1	ⁱ Bu	H	H	H	ⁿ Bu	F	F	H	OH	H	H
XV-34-2	ⁱ Bu	H	H	CH ₃	ⁿ Bu	F	F	H	OH	H	H
XV-34-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁿ Bu	F	F	H	OH	H	H
XV-34-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	H	OH	H	H
XV-34-5	ⁱ Bu	H	H	CH ₂ Ph	ⁿ Bu	F	F	H	OH	H	H
XV-34-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁿ Bu	F	F	H	OH	H	H
XV-34-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	H	OH	H	H
XV-34-8	ⁱ Bu	*	H	*	ⁿ Bu	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	H	OH	H	H
XV-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	H	OH	H	H
XV-35-8	Ph	*	H	*	ⁿ Bu	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	H	OH	H	H
XV-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	H	OH	H	H
XV-36-8	p-Me-Ph	*	H	*	ⁿ Bu	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	H	OH	H	H
XV-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	H	OH	H	H
XV-37-8	p-F-Ph	*	H	*	ⁿ Bu	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	H	OH	H	H
XV-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	H	OH	H	H
XV-38-8	p-Cl-Ph	*	H	*	ⁿ Bu	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	H	OH	H	H
XV-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	H	OH	H	H
XV-39-8	p-Br-Ph	*	H	*	ⁿ Bu	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	H	OH	H	H
XV-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	H	OH	H	H
XV-40-8	p-I-Ph	*	H	*	ⁿ Bu	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XV-41.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	H	OH	H	H
XV-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	H	OH	H	H
XV-41-8	CH ₃	*	H	*	Bz	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-42.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	H	OH	H	H
XV-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	H	OH	H	H
XV-42-8	Et	*	H	*	Bz	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-43.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	H	OH	H	H
XV-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	H	OH	H	H
XV-43-8	ⁱ Pr	*	H	*	Bz	F	F	H	OH	H	H

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-44.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	H	OH	H	H
XV-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	H	OH	H	H
XV-44-8	^t Bu	*	H	*	Bz	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-45.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	H	OH	H	H
XV-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	H	OH	H	H
XV-45-8	Ph	*	H	*	Bz	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-46.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	H	OH	H	H
XV-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	H	OH	H	H
XV-46-8	p-Me-Ph	*	H	*	Bz	F	F	H	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-47.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	H	OH	H	H
XV-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	H	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-48.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	H	OH	H	H
XV-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	H	OH	H	H
XV-48-8	p-Cl-Ph	*	H	*	Bz	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-49.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	H	OH	H	H
XV-49-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	H	OH	H	H
XV-49-8	p-Br-Ph	*	H	*	Bz	F	F	H	OH	H	H

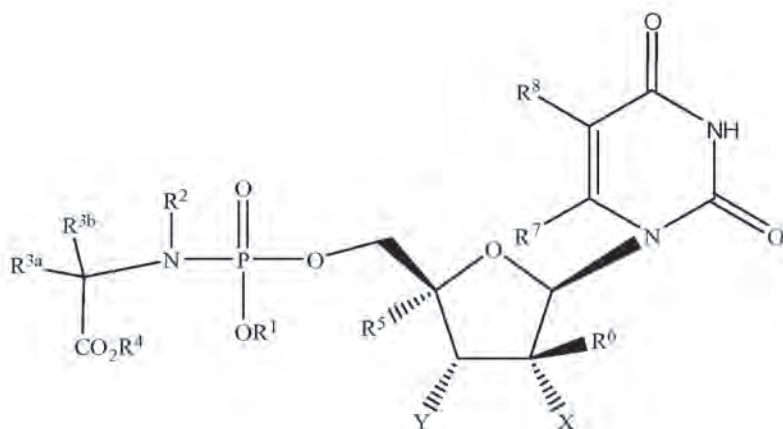
5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XV-50.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	H	OH	H	H
XV-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	F	F	H	OH	H	H

No	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 ₂ CH ₂ SCH ₃	Bz	F	F	H	OH	H	H
XV-50-8	p-I-Ph	*	H	*	Bz	F	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

**XVI**

5

Table XVI-1.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	F	OH	H	H
XVI-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	F	OH	H	H
XVI-1-8	CH ₃	*	H	*	CH ₃	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-2.

No	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

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	F	OH	H	H
XVI-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	F	OH	H	H
XVI-2-8	Et	*	H	*	CH ₃	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	F	OH	H	H
XVI-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	F	OH	H	H
XVI-3-8	ⁱ Pr	*	H	*	CH ₃	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	F	OH	H	H
XVI-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	F	OH	H	H
XVI-4-8	^t Bu	*	H	*	CH ₃	F	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	F	OH	H	H
XVI-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	F	OH	H	H
XVI-5-8	Ph	*	H	*	CH ₃	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	F	OH	H	H
XVI-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	F	OH	H	H
XVI-6-8	p-Me-Ph	*	H	*	CH ₃	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	F	OH	H	H
XVI-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	F	OH	H	H
XVI-7-20	p-F-Ph	*	H	*	CH ₃	F	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	F	OH	H	H
XVI-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	F	OH	H	H
XVI-8-8	p-Cl-Ph	*	H	*	CH ₃	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	F	OH	H	H
XVI-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	F	OH	H	H
XVI-9-20	p-Br-Ph	*	H	*	CH ₃	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	F	F	OH	H	H
XVI-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	F	F	OH	H	H
XVI-10-8	p-I-Ph	*	H	*	CH ₃	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-11.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	F	OH	H	H
XVI-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	F	OH	H	H
XVI-11-8	CH ₃	*	H	*	Et	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-12.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	F	OH	H	H
XVI-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	F	OH	H	H
XVI-12-8	Et	*	H	*	Et	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-13.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	F	OH	H	H
XVI-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	F	OH	H	H
XVI-13-8	ⁱ Pr	*	H	*	Et	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-14.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	F	OH	H	H
XVI-14-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	F	OH	H	H
XVI-14-8	^t Bu	*	H	*	Et	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-15.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	F	OH	H	H
XVI-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	F	OH	H	H
XVI-15-8	Ph	*	H	*	Et	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-16.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	F	OH	H	H
XVI-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	F	OH	H	H
XVI-16-8	p-Me-Ph	*	H	*	Et	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-17.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	F	OH	H	H
XVI-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	F	OH	H	H
XVI-17-8	p-F-Ph	*	H	*	Et	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-18.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	F	OH	H	H
XVI-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	F	OH	H	H
XVI-18-8	p-Cl-Ph	*	H	*	Et	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-19.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	F	OH	H	H
XVI-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	F	OH	H	H
XVI-19-8	p-Br-Ph	*	H	*	Et	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-20.

No	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 ₂ CH(CH ₃) ₂	Et	F	F	F	OH	H
XVI-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	F	F	OH	H
XVI-20-8	p-I-Ph	*	H	*	Et	F	F	F	OH	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	F	OH	H	H
XVI-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	F	OH	H	H
XVI-21-8	CH ₃	*	H	*	ⁱ Pr	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	F	OH	H	H
XVI-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	F	OH	H	H
XVI-22-8	Et	*	H	*	ⁱ Pr	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	F	OH	H	H
XVI-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	F	OH	H	H
XVI-23-8	ⁱ Pr	*	H	*	ⁱ Pr	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-24.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XVI-24-1	ⁱ Bu	H	H	H	ⁱ Pr	F	F	F	OH	H	H
XVI-24-2	ⁱ Bu	H	H	CH ₃	ⁱ Pr	F	F	F	OH	H	H
XVI-24-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	F	F	F	OH	H	H
XVI-24-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	F	OH	H	H
XVI-24-5	ⁱ Bu	H	H	CH ₂ Ph	ⁱ Pr	F	F	F	OH	H	H
XVI-24-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	F	F	F	OH	H	H
XVI-24-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	F	OH	H	H
XVI-24-8	ⁱ Bu	*	H	*	ⁱ Pr	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	F	OH	H	H
XVI-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	F	OH	H	H
XVI-25-8	Ph	*	H	*	ⁱ Pr	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	F	OH	H	H
XVI-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	F	OH	H	H
XVI-26-8	p-Me-Ph	*	H	*	ⁱ Pr	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	F	OH	H	H
XVI-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	F	OH	H	H
XVI-27-8	p-F-Ph	*	H	*	ⁱ Pr	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	F	OH	H	H
XVI-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	F	OH	H	H
XVI-28-8	p-Cl-Ph	*	H	*	ⁱ Pr	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	F	OH	H	H
XVI-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	F	OH	H	H
XVI-29-8	p-Br-Ph	*	H	*	ⁱ Pr	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	F	F	OH	H	H
XVI-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	F	F	OH	H	H
XVI-30-8	p-I-Ph	*	H	*	ⁱ Pr	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	F	OH	H	H
XVI-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	F	OH	H	H
XVI-31-8	CH ₃	*	H	*	ⁿ Bu	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	F	OH	H	H
XVI-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	F	OH	H	H
XVI-32-8	Et	*	H	*	ⁿ Bu	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	F	OH	H	H
XVI-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	F	OH	H	H
XVI-33-8	ⁱ Pr	*	H	*	ⁿ Bu	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-34.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XVI-34-1	ⁱ Bu	H	H	H	ⁿ Bu	F	F	F	OH	H	H
XVI-34-2	ⁱ Bu	H	H	CH ₃	ⁿ Bu	F	F	F	OH	H	H
XVI-34-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁿ Bu	F	F	F	OH	H	H
XVI-34-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	F	OH	H	H
XVI-34-5	ⁱ Bu	H	H	CH ₂ Ph	ⁿ Bu	F	F	F	OH	H	H
XVI-34-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁿ Bu	F	F	F	OH	H	H
XVI-34-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	F	OH	H	H
XVI-34-8	ⁱ Bu	*	H	*	ⁿ Bu	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	F	OH	H	H
XVI-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	F	OH	H	H
XVI-35-8	Ph	*	H	*	ⁿ Bu	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	F	OH	H	H
XVI-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	F	OH	H	H
XVI-36-8	p-Me-Ph	*	H	*	ⁿ Bu	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	F	OH	H	H
XVI-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	F	OH	H	H
XVI-37-8	p-F-Ph	*	H	*	ⁿ Bu	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	F	OH	H	H
XVI-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	F	OH	H	H
XVI-38-8	p-Cl-Ph	*	H	*	ⁿ Bu	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	F	OH	H	H
XVI-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	F	OH	H	H
XVI-39-8	p-Br-Ph	*	H	*	ⁿ Bu	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	F	F	OH	H	H
XVI-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	F	F	OH	H	H
XVI-40-8	p-I-Ph	*	H	*	ⁿ Bu	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-41.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	F	F	F	OH	H	H
XVI-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	F	OH	H	H
XVI-41-8	CH ₃	*	H	*	Bz	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-42.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	F	F	F	OH	H	H
XVI-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	F	OH	H	H
XVI-42-8	Et	*	H	*	Bz	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVI-43.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	F	F	F	OH	H	H
XVI-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	F	OH	H	H
XVI-43-8	ⁱ Pr	*	H	*	Bz	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-44.

N _o	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 ₂ CH(CH ₃) ₂	Bz	F	F	F	OH	H	H
XVI-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	F	OH	H	H
XVI-44-8	^t Bu	*	H	*	Bz	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-45.

N _o	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 ₂ CH(CH ₃) ₂	Bz	F	F	F	OH	H	H
XVII-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	F	OH	H	H
XVII-45-8	Ph	*	H	*	Bz	F	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-46.

N _o	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 ₂ CH(CH ₃) ₂	Bz	F	F	F	OH	H	H
XVII-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	F	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-47.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	F	OH	H	H
XVII-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	F	OH	H	H
XVII-47-8	p-F-Ph	*	H	*	Bz	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-48.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	F	OH	H	H
XVII-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	F	OH	H	H
XVII-48-8	p-Cl-Ph	*	H	*	Bz	F	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-49.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	F	OH	H	H
XVII-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	F	F	F	OH	H	H

No	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 ₂ CH ₂ SCH ₃	Bz	F	F	F	OH	H	H
XVII-49-8	p-Br-Ph	*	H	*	Bz	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVI-50.

No	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 ₂ CH(CH ₃) ₂	Bz	F	F	F	OH	H	H
XVII-50-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	F	F	OH	H	H
XVII-50-8	p-I-Ph	*	H	*	Bz	F	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5

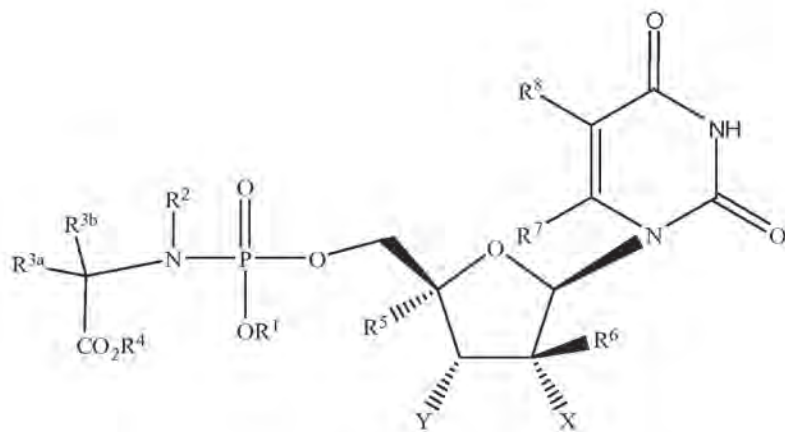
**XVII**

Table XVII-1.

No	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

N ^o	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 ₂ CH(CH ₃) ₂	CH ₃	F	H	F	OH	H	H
XVII-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	H	F	OH	H	H
XVII-1-8	CH ₃	*	H	*	CH ₃	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-2.

N ^o	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 ₂ CH(CH ₃) ₂	CH ₃	F	H	F	OH	H	H
XVII-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	H	F	OH	H	H
XVII-2-8	Et	*	H	*	CH ₃	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-3.

N ^o	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 ₂ CH(CH ₃) ₂	CH ₃	F	H	F	OH	H	H
XVII-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	H	F	OH	H	H
XVII-3-8	ⁱ Pr	*	H	*	CH ₃	F	H	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	H	F	OH	H	H
XVII-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	H	F	OH	H	H
XVII-4-8	^t Bu	*	H	*	CH ₃	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	H	F	OH	H	H
XVII-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	H	F	OH	H	H
XVII-5-8	Ph	*	H	*	CH ₃	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-6.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XVII-6-1	p-Mc-Ph	H	H	H	CH ₃	F	H	F	OH	H	H
XVII-6-2	p-Mc-Ph	H	H	CH ₃	CH ₃	F	H	F	OH	H	H
XVII-6-3	p-Mc-Ph	H	H	CH(CH ₃) ₂	CH ₃	F	H	F	OH	H	H
XVII-6-4	p-Mc-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	F	H	F	OH	H	H
XVII-6-5	p-Mc-Ph	H	H	CH ₂ Ph	CH ₃	F	H	F	OH	H	H
XVII-6-6	p-Mc-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	F	H	F	OH	H	H
XVII-6-7	p-Mc-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	F	H	F	OH	H	H
XVII-6-8	p-Mc-Ph	*	H	*	CH ₃	F	H	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	H	F	OH	H	H
XVII-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	H	F	OH	H	H
XVII-7-20	p-F-Ph	*	H	*	CH ₃	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	H	F	OH	H	H
XVII-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	H	F	OH	H	H
XVII-8-8	p-Cl-Ph	*	H	*	CH ₃	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	H	F	OH	H	H
XVII-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	H	F	OH	H	H
XVII-9-20	p-Br-Ph	*	H	*	CH ₃	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	F	H	F	OH	H	H
XVII-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	F	H	F	OH	H	H
XVII-10-8	p-I-Ph	*	H	*	CH ₃	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-11.

No	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 ₂ CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	H	F	OH	H	H
XVII-11-8	CH ₃	*	H	*	Et	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-12.

No	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 ₂ CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	H	F	OH	H	H
XVII-12-8	Et	*	H	*	Et	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-13.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XVII-13-1	<i>i</i> Pr	H	H	H	Et	F	H	F	OH	H	H
XVII-13-2	<i>i</i> Pr	H	H	CH ₃	Et	F	H	F	OH	H	H
XVII-13-3	<i>i</i> Pr	H	H	CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-13-4	<i>i</i> Pr	H	H	CH ₂ CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-13-5	<i>i</i> Pr	H	H	CH ₂ Ph	Et	F	H	F	OH	H	H
XVII-13-6	<i>i</i> Pr	H	H	CH ₂ -indol-3-yl	Et	F	H	F	OH	H	H
XVII-13-7	<i>i</i> Pr	H	H	CH ₂ CH ₂ SCH ₃	Et	F	H	F	OH	H	H
XVII-13-8	<i>i</i> Pr	*	H	*	Et	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-14.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XVII-14-1	<i>t</i> Bu	H	H	H	Et	F	H	F	OH	H	H
XVII-14-2	<i>t</i> Bu	H	H	CH ₃	Et	F	H	F	OH	H	H
XVII-14-3	<i>t</i> Bu	H	H	CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-14-4	<i>t</i> Bu	H	H	CH ₂ CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-14-5	<i>t</i> Bu	H	H	CH ₂ Ph	Et	F	H	F	OH	H	H
XVII-14-6	<i>t</i> Bu	H	H	CH ₂ -indol-3-yl	Et	F	H	F	OH	H	H
XVII-14-7	<i>t</i> Bu	H	H	CH ₂ CH ₂ SCH ₃	Et	F	H	F	OH	H	H
XVII-14-8	<i>t</i> Bu	*	H	*	Et	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-15.

No	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 ₂ CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	H	F	OH	H	H
XVII-15-8	Ph	*	H	*	Et	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-16.

No	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 ₂ CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	H	F	OH	H	H
XVII-16-8	p-Me-Ph	*	H	*	Et	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-17.

No	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 ₂ CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	H	F	OH	H	H
XVII-17-8	p-F-Ph	*	H	*	Et	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-18.

No	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 ₂ CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	H	F	OH	H	H
XVII-18-8	p-Cl-Ph	*	H	*	Et	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-19.

No	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 ₂ CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	H	F	OH	H	H
XVII-19-8	p-Br-Ph	*	H	*	Et	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-20.

No	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 ₂ CH(CH ₃) ₂	Et	F	H	F	OH	H	H
XVII-20-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	F	H	F	OH	H	H
XVII-20-8	p-I-Ph	*	H	*	Et	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	H	F	OH	H	H
XVII-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	H	F	OH	H	H
XVII-21-8	CH ₃	*	H	*	ⁱ Pr	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-22.

N ^o	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	H	F	OH	H	H
XVII-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	H	F	OH	H	H
XVII-22-8	Et	*	H	*	ⁱ Pr	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-23.

N ^o	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	H	F	OH	H	H
XVII-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	H	F	OH	H	H
XVII-23-8	ⁱ Pr	*	H	*	ⁱ Pr	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-24.

N ^o	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	H	F	OH	H	H
XVII-24-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	H	F	OH	H	H
XVII-24-8	^t Bu	*	H	*	ⁱ Pr	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	H	F	OH	H	H
XVII-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	H	F	OH	H	H
XVII-25-8	Ph	*	H	*	ⁱ Pr	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	H	F	OH	H	H
XVII-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	H	F	OH	H	H
XVII-26-8	p-Me-Ph	*	H	*	ⁱ Pr	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	H	F	OH	H	H
XVII-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	H	F	OH	H	H
XVII-27-8	p-F-Ph	*	H	*	ⁱ Pr	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	H	F	OH	H	H
XVII-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	H	F	OH	H	H
XVII-28-8	p-Cl-Ph	*	H	*	ⁱ Pr	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	H	F	OH	H	H
XVII-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	H	F	OH	H	H
XVII-29-8	p-Br-Ph	*	H	*	ⁱ Pr	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	F	H	F	OH	H	H
XVII-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	F	H	F	OH	H	H
XVII-30-8	p-I-Ph	*	H	*	ⁱ Pr	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-31.

N ^o	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	H	F	OH	H	H
XVII-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	H	F	OH	H	H
XVII-31-8	CH ₃	*	H	*	ⁿ Bu	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-32.

N ^o	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	H	F	OH	H	H
XVII-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	H	F	OH	H	H
XVII-32-8	Et	*	H	*	ⁿ Bu	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-33.

N ^o	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	H	F	OH	H	H
XVII-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	H	F	OH	H	H
XVII-33-8	ⁱ Pr	*	H	*	ⁿ Bu	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-34.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	H	F	OH	H	H
XVII-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	H	F	OH	H	H
XVII-34-8	^t Bu	*	H	*	ⁿ Bu	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	H	F	OH	H	H
XVII-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	H	F	OH	H	H
XVII-35-8	Ph	*	H	*	ⁿ Bu	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	H	F	OH	H	H
XVII-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	H	F	OH	H	H
XVII-36-8	p-Me-Ph	*	H	*	ⁿ Bu	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	H	F	OH	H	H
XVII-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	H	F	OH	H	H
XVII-37-8	p-F-Ph	*	H	*	ⁿ Bu	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	H	F	OH	H	H
XVII-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	H	F	OH	H	H
XVII-38-8	p-Cl-Ph	*	H	*	ⁿ Bu	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	H	F	OH	H	H
XVII-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	H	F	OH	H	H
XVII-39-8	p-Br-Ph	*	H	*	ⁿ Bu	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	F	H	F	OH	H	H
XVII-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	F	H	F	OH	H	H
XVII-40-8	p-I-Ph	*	H	*	ⁿ Bu	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-41.

No	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 ₂ CH(CH ₃) ₂	Bz	F	H	F	OH	H	H
XVII-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	H	F	OH	H	H
XVII-41-8	CH ₃	*	H	*	Bz	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVII-42.

No	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 ₂ CH(CH ₃) ₂	Bz	F	H	F	OH	H	H
XVII-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	H	F	OH	H	H
XVII-42-8	Et	*	H	*	Bz	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-43.

N ₆	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 ₂ CH(CH ₃) ₂	Bz	F	H	F	OH	H	H
XVII-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	H	F	OH	H	H
XVII-43-8	ⁱ Pr	*	H	*	Bz	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-44.

N ₆	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 ₂ CH(CH ₃) ₂	Bz	F	H	F	OH	H	H
XVII-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	H	F	OH	H	H
XVII-44-8	^t Bu	*	H	*	Bz	F	H	F	OH	H	H

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-45.

N ₆	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 ₂ CH(CH ₃) ₂	Bz	F	H	F	OH	H	H
XVII-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	H	F	OH	H	H
XVII-45-8	Ph	*	H	*	Bz	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-46.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XVII-46-1	p-Mc-Ph	H	H	H	Bz	F	H	F	OH	H	H
XVII-46-2	p-Mc-Ph	H	H	CH ₃	Bz	F	H	F	OH	H	H
XVII-46-3	p-Mc-Ph	H	H	CH(CH ₃) ₂	Bz	F	H	F	OH	H	H
XVII-46-4	p-Mc-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	F	H	F	OH	H	H
XVII-46-5	p-Mc-Ph	H	H	CH ₂ Ph	Bz	F	H	F	OH	H	H
XVII-46-6	p-Mc-Ph	H	H	CH ₂ -indol-3-yl	Bz	F	H	F	OH	H	H
XVII-46-7	p-Mc-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	F	H	F	OH	H	H
XVII-46-8	p-Mc-Ph	*	H	*	Bz	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-47.

No	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 ₂ CH(CH ₃) ₂	Bz	F	H	F	OH	H	H
XVII-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	H	F	OH	H	H
XVII-47-8	p-F-Ph	*	H	*	Bz	F	H	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-48.

No	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 ₂ CH(CH ₃) ₂	Bz	F	H	F	OH	H	H
XVII-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	H	F	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-49.

No	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 ₂ CH(CH ₃) ₂	Bz	F	H	F	OH	H	H
XVII-49-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	H	F	OH	H	H
XVII-49-8	p-Br-Ph	*	H	*	Bz	F	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVII-50.

No	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 ₂ CH(CH ₃) ₂	Bz	F	H	F	OH	H	H
XVII-50-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	F	H	F	OH	H	H
XVII-50-8	p-I-Ph	*	H	*	Bz	F	H	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

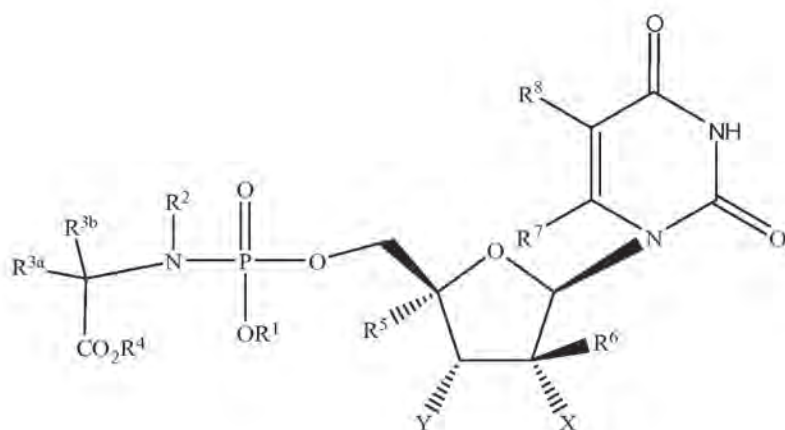
**XVIII**

Table XVIII-1.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVIII-2.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-2-8	Et	*	H	*	CH ₃	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVIII-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-5-8	Ph	*	H	*	CH ₃	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVIII-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	H	OH	H	H
XVIII-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVIII-11.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	H	OH	H	H
XVIII-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	H	OH	H	H
XVIII-11-8	CH ₃	*	H	*	Et	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-12.

N ₂	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	H	OH	H	H
XVIII-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	H	OH	H	H
XVIII-12-8	Et	*	H	*	Et	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-13.

N ₂	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	H	OH	H	H
XVIII-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	H	OH	H	H
XVIII-13-8	ⁱ Pr	*	H	*	Et	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVIII-14.

N ₂	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XVIII-14-1	ⁱ Bu	H	H	H	Et	OCH ₃	F	H	OH	H	H
XVIII-14-2	ⁱ Bu	H	H	CH ₃	Et	OCH ₃	F	H	OH	H	H
XVIII-14-3	ⁱ Bu	H	H	CH(CH ₃) ₂	Et	OCH ₃	F	H	OH	H	H
XVIII-14-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	F	H	OH	H	H
XVIII-14-5	ⁱ Bu	H	H	CH ₂ Ph	Et	OCH ₃	F	H	OH	H	H
XVIII-14-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	F	H	OH	H	H
XVIII-14-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	F	H	OH	H	H
XVIII-14-8	ⁱ Bu	*	H	*	Et	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-15.

N ^o	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	H	OH	H	H
XVIII-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	H	OH	H	H
XVIII-15-8	Ph	*	H	*	Et	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-16.

N ^o	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	H	OH	H	H
XVIII-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	H	OH	H	H
XVIII-16-8	p-Me-Ph	*	H	*	Et	OCH ₃	F	H	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-17.

N ^o	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	H	OH	H	H
XVIII-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	H	OH	H	H

No	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-18.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	H	OH	H	H
XVIII-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	H	OH	H	H
XVIII-18-8	p-Cl-Ph	*	H	*	Et	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-19.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	H	OH	H	H
XVIII-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	H	OH	H	H
XVIII-19-8	p-Br-Ph	*	H	*	Et	OCH ₃	F	H	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-20.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	H	OH	H	H
XVIII-20-5	p-I-Ph	H	H	CH ₂ Ph	Et	OCH ₃	F	H	OH	H	H

No	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	H	OH	H	H
XVIII-20-8	p-I-Ph	*	H	*	Et	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-22-8	Et	*	H	*	ⁱ Pr	OCH ₃	F	H	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-23.

No	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

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-24.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XVIII-24-1	ⁱ Bu	H	H	H	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-24-2	ⁱ Bu	H	H	CH ₃	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-24-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-24-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-24-5	ⁱ Bu	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-24-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-24-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-24-8	ⁱ Bu	*	H	*	ⁱ Pr	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-25-8	Ph	*	H	*	ⁱ Pr	OCH ₃	F	H	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-26.

No	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

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	H	OH	H	H
XVIII-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-32.

N ^o	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-32-8	Et	*	H	*	ⁿ Bu	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-33.

N ^o	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVIII-34.

N ^o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XVIII-34-1	ⁱ Bu	H	H	H	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-34-2	ⁱ Bu	H	H	CH ₃	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-34-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-34-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-34-5	ⁱ Bu	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-34-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-34-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-34-8	ⁱ Bu	*	H	*	ⁿ Bu	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-35-8	Ph	*	H	*	ⁿ Bu	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVIII-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVIII-40.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	H	OH	H	H
XVIII-40-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-41.

No	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 ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	H	OH	H	H
XVIII-41-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	H	OH	H	H
XVIII-41-8	CH ₃	*	H	*	Bz	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-42.

No	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 ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	H	OH	H	H
XVIII-42-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	H	OH	H	H
XVIII-42-8	Et	*	H	*	Bz	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XVIII-43.

No	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 ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	H	OH	H	H
XVIII-43-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	H	OH	H	H
XVIII-43-8	ⁱ Pr	*	H	*	Bz	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-44.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	H	OH	H	H
XVIII-44-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	H	OH	H	H
XVIII-44-8	^t Bu	*	H	*	Bz	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-45.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	H	OH	H	H
XVIII-45-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	H	OH	H	H
XVIII-45-8	Ph	*	H	*	Bz	OCH ₃	F	H	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-46.

N ^o	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 ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	H	OH	H	H
XVIII-46-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	H	OH	H	H

N ₂	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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-47.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	H	OH	H	H
XVIII-47-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	H	OH	H	H
XVIII-47-8	p-F-Ph	*	H	*	Bz	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-48.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	H	OH	H	H
XVIII-48-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	H	OH	H	H
XVIII-48-8	p-Cl-Ph	*	H	*	Bz	OCH ₃	F	H	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-49.

N ₂	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 ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	H	OH	H	H
XVIII-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	OCH ₃	F	H	OH	H	H

No	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 ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	H	OH	H	H
XVIII-49-8	p-Br-Ph	*	H	*	Bz	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XVIII-50.

No	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 ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	H	OH	H	H
XVIII-50-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	H	OH	H	H
XVIII-50-8	p-I-Ph	*	H	*	Bz	OCH ₃	F	H	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

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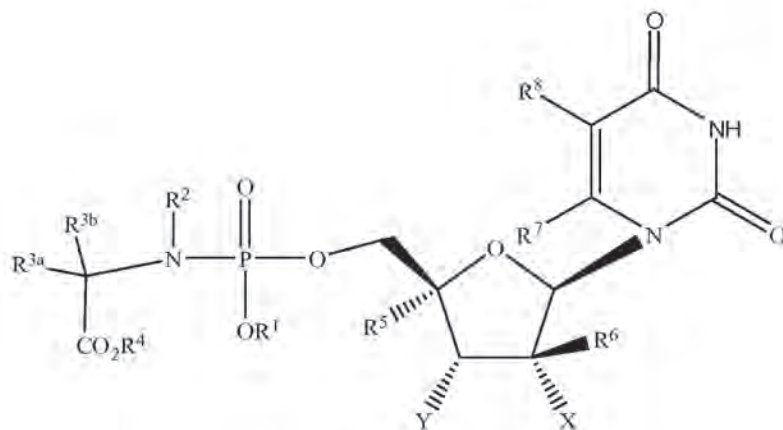
**XIX**

Table XIX-1.

No	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

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	F	OH	H	H
XIX-1-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-2.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	F	OH	H	H
XIX-2-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	F	F	OH	H	H
XIX-2-8	Et	*	H	*	CH ₃	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-3.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	F	OH	H	H
XIX-3-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-4.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	F	OH	H	H
XIX-4-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-5.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	F	OH	H	H
XIX-5-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	F	F	OH	H	H
XIX-5-8	Ph	*	H	*	CH ₃	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-6.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	F	OH	H	H
XIX-6-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-7.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	F	OH	H	H
XIX-7-6	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-8.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	F	OH	H	H
XIX-8-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-9.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	F	OH	H	H
XIX-9-6	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-10.

No	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 ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	F	F	OH	H	H
XIX-10-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-11.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-11-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-11-8	CH ₃	*	H	*	Et	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-12.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-12-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-12-8	Et	*	H	*	Et	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-13.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-13-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-13-8	ⁱ Pr	*	H	*	Et	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-14.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-14-1	ⁱ Bu	H	H	H	Et	OCH ₃	F	F	OH	H	H
XIX-14-2	ⁱ Bu	H	H	CH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-14-3	ⁱ Bu	H	H	CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-14-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-14-5	ⁱ Bu	H	H	CH ₂ Ph	Et	OCH ₃	F	F	OH	H	H
XIX-14-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	F	F	OH	H	H
XIX-14-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-14-8	ⁱ Bu	*	H	*	Et	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-15.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-15-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-15-8	Ph	*	H	*	Et	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-16.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-16-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-16-8	p-Me-Ph	*	H	*	Et	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-17.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-17-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-17-8	p-F-Ph	*	H	*	Et	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-18.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-18-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-18-8	p-Cl-Ph	*	H	*	Et	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-19.

No	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 ₂ CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-19-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-19-8	p-Br-Ph	*	H	*	Et	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-20.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-20-1	p-I-Ph	H	H	H	Et	OCH ₃	F	F	OH	H	H
XIX-20-2	p-I-Ph	H	H	CH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-20-3	p-I-Ph	H	H	CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-20-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	F	F	OH	H	H
XIX-20-5	p-I-Ph	H	H	CH ₂ Ph	Et	OCH ₃	F	F	OH	H	H
XIX-20-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	F	F	OH	H	H
XIX-20-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	F	F	OH	H	H
XIX-20-8	p-I-Ph	*	H	*	Et	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-21.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-21-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-22.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-22-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-22-8	Et	*	H	*	ⁱ Pr	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-23.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-23-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-24.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-24-1	ⁱ Bu	H	H	H	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-24-2	ⁱ Bu	H	H	CH ₃	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-24-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-24-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-24-5	ⁱ Bu	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-24-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-24-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-24-8	ⁱ Bu	*	H	*	ⁱ Pr	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-25.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-25-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-25-8	Ph	*	H	*	ⁱ Pr	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-26.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-26-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-27.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-27-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-28.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-28-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-29.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-29-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-30.

No	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 ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	F	F	OH	H	H
XIX-30-5	p-I-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-31.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-31-5	CH ₃	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-32.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-32-5	Et	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-32-8	Et	*	H	*	ⁿ Bu	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-33.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-33-5	ⁱ Pr	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-34.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-34-5	^t Bu	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-35.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-35-5	Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-35-8	Ph	*	H	*	ⁿ Bu	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-36.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-36-5	p-Me-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-37.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-37-5	p-F-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-38.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-38-5	p-Cl-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-39.

No	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 ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-39-5	p-Br-Ph	H	H	CH ₂ Ph	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 ₂ CH ₂ SCH 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

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-40.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-40-1	p-I-Ph	H	H	H	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-40-2	p-I-Ph	H	H	CH ₃	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-40-3	p-I-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-40-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-40-5	p-I-Ph	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-40-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-40-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	F	F	OH	H	H
XIX-40-8	p-I-Ph	*	H	*	ⁿ Bu	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-41.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-41-1	CH ₃	H	H	H	Bz	OCH ₃	F	F	OH	H	H
XIX-41-2	CH ₃	H	H	CH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-41-3	CH ₃	H	H	CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-41-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-41-5	CH ₃	H	H	CH ₂ Ph	Bz	OCH ₃	F	F	OH	H	H
XIX-41-6	CH ₃	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	F	F	OH	H	H
XIX-41-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-41-8	CH ₃	*	H	*	Bz	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XIX-42.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-42-1	Et	H	H	H	Bz	OCH ₃	F	F	OH	H	H
XIX-42-2	Et	H	H	CH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-42-3	Et	H	H	CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-42-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-42-5	Et	H	H	CH ₂ Ph	Bz	OCH ₃	F	F	OH	H	H
XIX-42-6	Et	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	F	F	OH	H	H
XIX-42-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-42-8	Et	*	H	*	Bz	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-43.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-43-1	ⁱ Pr	H	H	H	Bz	OCH ₃	F	F	OH	H	H
XIX-43-2	ⁱ Pr	H	H	CH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-43-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-43-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-43-5	ⁱ Pr	H	H	CH ₂ Ph	Bz	OCH ₃	F	F	OH	H	H
XIX-43-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	F	F	OH	H	H
XIX-43-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-43-8	ⁱ Pr	*	H	*	Bz	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-44.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-44-1	ⁱ Bu	H	H	H	Bz	OCH ₃	F	F	OH	H	H
XIX-44-2	ⁱ Bu	H	H	CH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-44-3	ⁱ Bu	H	H	CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-44-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-44-5	ⁱ Bu	H	H	CH ₂ Ph	Bz	OCH ₃	F	F	OH	H	H
XIX-44-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	F	F	OH	H	H
XIX-44-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-44-8	ⁱ Bu	*	H	*	Bz	OCH ₃	F	F	OH	H	H

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-45.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-45-1	Ph	H	H	H	Bz	OCH ₃	F	F	OH	H	H
XIX-45-2	Ph	H	H	CH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-45-3	Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-45-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-45-5	Ph	H	H	CH ₂ Ph	Bz	OCH ₃	F	F	OH	H	H
XIX-45-6	Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	F	F	OH	H	H
XIX-45-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-45-8	Ph	*	H	*	Bz	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-46.

N _o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-46-1	p-Me-Ph	H	H	H	Bz	OCH ₃	F	F	OH	H	H
XIX-46-2	p-Me-Ph	H	H	CH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-46-3	p-Me-Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-46-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-46-5	p-Me-Ph	H	H	CH ₂ Ph	Bz	OCH ₃	F	F	OH	H	H
XIX-46-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	F	F	OH	H	H
XIX-46-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-46-8	p-Me-Ph	*	H	*	Bz	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-47.

N _o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-47-1	p-F-Ph	H	H	H	Bz	OCH ₃	F	F	OH	H	H
XIX-47-2	p-F-Ph	H	H	CH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-47-3	p-F-Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-47-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-47-5	p-F-Ph	H	H	CH ₂ Ph	Bz	OCH ₃	F	F	OH	H	H
XIX-47-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	F	F	OH	H	H
XIX-47-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-47-8	p-F-Ph	*	H	*	Bz	OCH ₃	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-48.

N _o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-48-1	p-Cl-Ph	H	H	H	Bz	OCH ₃	F	F	OH	H	H
XIX-48-2	p-Cl-Ph	H	H	CH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-48-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-48-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-48-5	p-Cl-Ph	H	H	CH ₂ Ph	Bz	OCH ₃	F	F	OH	H	H
XIX-48-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	F	F	OH	H	H
XIX-48-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	F	OH	H	H

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-48-8	p-Cl-Ph	*	H	*	Bz	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-49.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-49-1	p-Br-Ph	H	H	H	Bz	OCH ₃	F	F	OH	H	H
XIX-49-2	p-Br-Ph	H	H	CH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-49-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-49-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	OCH ₃	F	F	OH	H	H
XIX-49-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	F	F	OH	H	H
XIX-49-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-49-8	p-Br-Ph	*	H	*	Bz	OCH ₃	F	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XIX-50.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XIX-50-1	p-I-Ph	H	H	H	Bz	OCH ₃	F	F	OH	H	H
XIX-50-2	p-I-Ph	H	H	CH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-50-3	p-I-Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-50-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	F	F	OH	H	H
XIX-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	OCH ₃	F	F	OH	H	H
XIX-50-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	F	F	OH	H	H
XIX-50-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	F	F	OH	H	H
XIX-50-8	p-I-Ph	*	H	*	Bz	OCH ₃	F	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

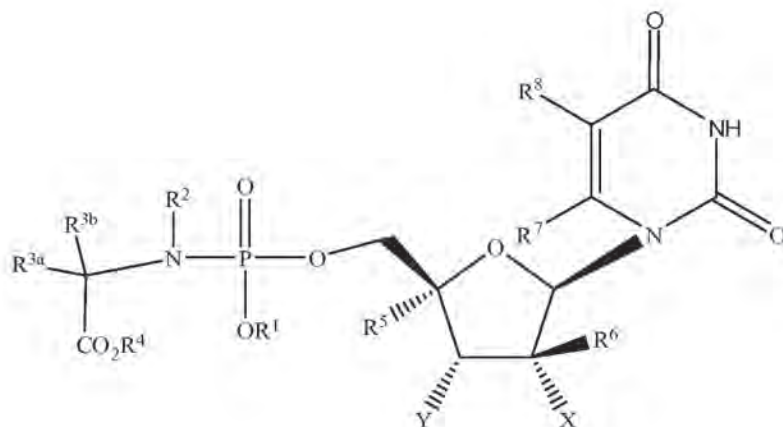
**XX**

Table XX-1.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-1-1	CH ₃	H	H	H	CH ₃	OCH ₃	H	F	OH	H	H
XX-1-2	CH ₃	H	H	CH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-1-3	CH ₃	H	H	CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-1-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-1-5	CH ₃	H	H	CH ₂ Ph	CH ₃	OCH ₃	H	F	OH	H	H
XX-1-6	CH ₃	H	H	CH ₂ -indol-3-yl	CH ₃	OCH ₃	H	F	OH	H	H
XX-1-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-1-8	CH ₃	*	H	*	CH ₃	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-2.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-2-1	Et	H	H	H	CH ₃	OCH ₃	H	F	OH	H	H
XX-2-2	Et	H	H	CH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-2-3	Et	H	H	CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-2-4	Et	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-2-5	Et	H	H	CH ₂ Ph	CH ₃	OCH ₃	H	F	OH	H	H
XX-2-6	Et	H	H	CH ₂ -indol-3-yl	CH ₃	OCH ₃	H	F	OH	H	H
XX-2-7	Et	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-2-8	Et	*	H	*	CH ₃	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-3.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-3-1	ⁱ Pr	H	H	H	CH ₃	OCH ₃	H	F	OH	H	H
XX-3-2	ⁱ Pr	H	H	CH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-3-3	ⁱ Pr	H	H	CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-3-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-3-5	ⁱ Pr	H	H	CH ₂ Ph	CH ₃	OCH ₃	H	F	OH	H	H
XX-3-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	CH ₃	OCH ₃	H	F	OH	H	H
XX-3-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-3-8	ⁱ Pr	*	H	*	CH ₃	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-4.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-4-1	^t Bu	H	H	H	CH ₃	OCH ₃	H	F	OH	H	H
XX-4-2	^t Bu	H	H	CH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-4-3	^t Bu	H	H	CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-4-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-4-5	^t Bu	H	H	CH ₂ Ph	CH ₃	OCH ₃	H	F	OH	H	H
XX-4-6	^t Bu	H	H	CH ₂ -indol-3-yl	CH ₃	OCH ₃	H	F	OH	H	H
XX-4-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-4-8	^t Bu	*	H	*	CH ₃	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-5.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-5-1	Ph	H	H	H	CH ₃	OCH ₃	H	F	OH	H	H
XX-5-2	Ph	H	H	CH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-5-3	Ph	H	H	CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-5-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-5-5	Ph	H	H	CH ₂ Ph	CH ₃	OCH ₃	H	F	OH	H	H
XX-5-6	Ph	H	H	CH ₂ -indol-3-yl	CH ₃	OCH ₃	H	F	OH	H	H
XX-5-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-5-8	Ph	*	H	*	CH ₃	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-6.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-6-1	p-Me-Ph	H	H	H	CH ₃	OCH ₃	H	F	OH	H	H
XX-6-2	p-Me-Ph	H	H	CH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-6-3	p-Me-Ph	H	H	CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-6-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-6-5	p-Me-Ph	H	H	CH ₂ Ph	CH ₃	OCH ₃	H	F	OH	H	H
XX-6-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	OCH ₃	H	F	OH	H	H
XX-6-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-6-8	p-Me-Ph	*	H	*	CH ₃	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-7.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-7-1	p-F-Ph	H	H	H	CH ₃	OCH ₃	H	F	OH	H	H
XX-7-2	p-F-Ph	H	H	CH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-7-3	p-F-Ph	H	H	CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-7-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-7-6	p-F-Ph	H	H	CH ₂ Ph	CH ₃	OCH ₃	H	F	OH	H	H
XX-7-7	p-F-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	OCH ₃	H	F	OH	H	H
XX-7-8	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-7-20	p-F-Ph	*	H	*	CH ₃	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-8.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-8-1	p-Cl-Ph	H	H	H	CH ₃	OCH ₃	H	F	OH	H	H
XX-8-2	p-Cl-Ph	H	H	CH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-8-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-8-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-8-5	p-Cl-Ph	H	H	CH ₂ Ph	CH ₃	OCH ₃	H	F	OH	H	H
XX-8-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	OCH ₃	H	F	OH	H	H
XX-8-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-8-8	p-Cl-Ph	*	H	*	CH ₃	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-9.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-9-1	p-Br-Ph	H	H	H	CH ₃	OCH ₃	H	F	OH	H	H
XX-9-2	p-Br-Ph	H	H	CH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-9-3	p-Br-Ph	H	H	CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-9-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-9-6	p-Br-Ph	H	H	CH ₂ Ph	CH ₃	OCH ₃	H	F	OH	H	H
XX-9-7	p-Br-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	OCH ₃	H	F	OH	H	H
XX-9-8	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-9-20	p-Br-Ph	*	H	*	CH ₃	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-10.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-10-1	p-I-Ph	H	H	H	CH ₃	OCH ₃	H	F	OH	H	H
XX-10-2	p-I-Ph	H	H	CH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-10-3	p-I-Ph	H	H	CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-10-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	OCH ₃	H	F	OH	H	H
XX-10-5	p-I-Ph	H	H	CH ₂ Ph	CH ₃	OCH ₃	H	F	OH	H	H
XX-10-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	OCH ₃	H	F	OH	H	H
XX-10-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	OCH ₃	H	F	OH	H	H
XX-10-8	p-I-Ph	*	H	*	CH ₃	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-11.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-11-1	CH ₃	H	H	H	Et	OCH ₃	H	F	OH	H	H
XX-11-2	CH ₃	H	H	CH ₃	Et	OCH ₃	H	F	OH	H	H
XX-11-3	CH ₃	H	H	CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-11-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-11-5	CH ₃	H	H	CH ₂ Ph	Et	OCH ₃	H	F	OH	H	H
XX-11-6	CH ₃	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	H	F	OH	H	H
XX-11-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	H	F	OH	H	H
XX-11-8	CH ₃	*	H	*	Et	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-12.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-12-1	Et	H	H	H	Et	OCH ₃	H	F	OH	H	H
XX-12-2	Et	H	H	CH ₃	Et	OCH ₃	H	F	OH	H	H
XX-12-3	Et	H	H	CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-12-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-12-5	Et	H	H	CH ₂ Ph	Et	OCH ₃	H	F	OH	H	H
XX-12-6	Et	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	H	F	OH	H	H
XX-12-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	H	F	OH	H	H
XX-12-8	Et	*	H	*	Et	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-13.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-13-1	ⁱ Pr	H	H	H	Et	OCH ₃	H	F	OH	H	H
XX-13-2	ⁱ Pr	H	H	CH ₃	Et	OCH ₃	H	F	OH	H	H
XX-13-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-13-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-13-5	ⁱ Pr	H	H	CH ₂ Ph	Et	OCH ₃	H	F	OH	H	H
XX-13-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	H	F	OH	H	H
XX-13-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	H	F	OH	H	H
XX-13-8	ⁱ Pr	*	H	*	Et	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-14.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-14-1	^t Bu	H	H	H	Et	OCH ₃	H	F	OH	H	H
XX-14-2	^t Bu	H	H	CH ₃	Et	OCH ₃	H	F	OH	H	H
XX-14-3	^t Bu	H	H	CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-14-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-14-5	^t Bu	H	H	CH ₂ Ph	Et	OCH ₃	H	F	OH	H	H
XX-14-6	^t Bu	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	H	F	OH	H	H
XX-14-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	H	F	OH	H	H
XX-14-8	^t Bu	*	H	*	Et	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-15.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-15-1	Ph	H	H	H	Et	OCH ₃	H	F	OH	H	H
XX-15-2	Ph	H	H	CH ₃	Et	OCH ₃	H	F	OH	H	H
XX-15-3	Ph	H	H	CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-15-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-15-5	Ph	H	H	CH ₂ Ph	Et	OCH ₃	H	F	OH	H	H
XX-15-6	Ph	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	H	F	OH	H	H
XX-15-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	H	F	OH	H	H
XX-15-8	Ph	*	H	*	Et	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-16.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-16-1	p-Me-Ph	H	H	H	Et	OCH ₃	H	F	OH	H	H
XX-16-2	p-Me-Ph	H	H	CH ₃	Et	OCH ₃	H	F	OH	H	H
XX-16-3	p-Me-Ph	H	H	CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-16-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-16-5	p-Me-Ph	H	H	CH ₂ Ph	Et	OCH ₃	H	F	OH	H	H
XX-16-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	H	F	OH	H	H
XX-16-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	H	F	OH	H	H
XX-16-8	p-Me-Ph	*	H	*	Et	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-17.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-17-1	p-F-Ph	H	H	H	Et	OCH ₃	H	F	OH	H	H
XX-17-2	p-F-Ph	H	H	CH ₃	Et	OCH ₃	H	F	OH	H	H
XX-17-3	p-F-Ph	H	H	CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-17-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-17-5	p-F-Ph	H	H	CH ₂ Ph	Et	OCH ₃	H	F	OH	H	H
XX-17-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	H	F	OH	H	H
XX-17-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	H	F	OH	H	H
XX-17-8	p-F-Ph	*	H	*	Et	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-18.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-18-1	p-Cl-Ph	H	H	H	Et	OCH ₃	H	F	OH	H	H
XX-18-2	p-Cl-Ph	H	H	CH ₃	Et	OCH ₃	H	F	OH	H	H
XX-18-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-18-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-18-5	p-Cl-Ph	H	H	CH ₂ Ph	Et	OCH ₃	H	F	OH	H	H
XX-18-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	H	F	OH	H	H
XX-18-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	H	F	OH	H	H
XX-18-8	p-Cl-Ph	*	H	*	Et	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-19.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-19-1	p-Br-Ph	H	H	H	Et	OCH ₃	H	F	OH	H	H
XX-19-2	p-Br-Ph	H	H	CH ₃	Et	OCH ₃	H	F	OH	H	H
XX-19-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-19-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-19-5	p-Br-Ph	H	H	CH ₂ Ph	Et	OCH ₃	H	F	OH	H	H
XX-19-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	H	F	OH	H	H
XX-19-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	H	F	OH	H	H
XX-19-8	p-Br-Ph	*	H	*	Et	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-20.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-20-1	p-I-Ph	H	H	H	Et	OCH ₃	H	F	OH	H	H
XX-20-2	p-I-Ph	H	H	CH ₃	Et	OCH ₃	H	F	OH	H	H
XX-20-3	p-I-Ph	H	H	CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-20-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	OCH ₃	H	F	OH	H	H
XX-20-5	p-I-Ph	H	H	CH ₂ Ph	Et	OCH ₃	H	F	OH	H	H
XX-20-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Et	OCH ₃	H	F	OH	H	H
XX-20-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	OCH ₃	H	F	OH	H	H
XX-20-8	p-I-Ph	*	H	*	Et	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-21.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-21-1	CH ₃	H	H	H	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-21-2	CH ₃	H	H	CH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-21-3	CH ₃	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-21-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-21-5	CH ₃	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-21-6	CH ₃	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-21-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-21-8	CH ₃	*	H	*	ⁱ Pr	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-22.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-22-1	Et	H	H	H	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-22-2	Et	H	H	CH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-22-3	Et	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-22-4	Et	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-22-5	Et	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-22-6	Et	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-22-7	Et	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-22-8	Et	*	H	*	ⁱ Pr	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-23.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-23-1	ⁱ Pr	H	H	H	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-23-2	ⁱ Pr	H	H	CH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-23-3	ⁱ Pr	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-23-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-23-5	ⁱ Pr	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-23-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-23-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-23-8	ⁱ Pr	*	H	*	ⁱ Pr	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-24.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-24-1	ⁱ Bu	H	H	H	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-24-2	ⁱ Bu	H	H	CH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-24-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-24-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-24-5	ⁱ Bu	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-24-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-24-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-24-8	ⁱ Bu	*	H	*	ⁱ Pr	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-25.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-25-1	Ph	H	H	H	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-25-2	Ph	H	H	CH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-25-3	Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-25-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-25-5	Ph	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-25-6	Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-25-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-25-8	Ph	*	H	*	ⁱ Pr	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-26.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-26-1	p-Me-Ph	H	H	H	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-26-2	p-Me-Ph	H	H	CH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-26-3	p-Me-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-26-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-26-5	p-Me-Ph	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-26-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-26-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-26-8	p-Me-Ph	*	H	*	ⁱ Pr	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-27.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-27-1	p-F-Ph	H	H	H	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-27-2	p-F-Ph	H	H	CH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-27-3	p-F-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-27-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-27-5	p-F-Ph	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-27-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-27-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-27-8	p-F-Ph	*	H	*	ⁱ Pr	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-28.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-28-1	p-Cl-Ph	H	H	H	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-28-2	p-Cl-Ph	H	H	CH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-28-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-28-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-28-5	p-Cl-Ph	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-28-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-28-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-28-8	p-Cl-Ph	*	H	*	ⁱ Pr	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-29.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-29-1	p-Br-Ph	H	H	H	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-29-2	p-Br-Ph	H	H	CH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-29-3	p-Br-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-29-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-29-5	p-Br-Ph	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-29-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-29-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-29-8	p-Br-Ph	*	H	*	ⁱ Pr	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-30.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-30-1	p-I-Ph	H	H	H	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-30-2	p-I-Ph	H	H	CH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-30-3	p-I-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-30-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-30-5	p-I-Ph	H	H	CH ₂ Ph	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-30-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-30-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	OCH ₃	H	F	OH	H	H
XX-30-8	p-I-Ph	*	H	*	ⁱ Pr	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-31.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-31-1	CH ₃	H	H	H	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-31-2	CH ₃	H	H	CH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-31-3	CH ₃	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-31-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-31-5	CH ₃	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-31-6	CH ₃	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-31-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-31-8	CH ₃	*	H	*	ⁿ Bu	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-32.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-32-1	Et	H	H	H	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-32-2	Et	H	H	CH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-32-3	Et	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-32-4	Et	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-32-5	Et	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-32-6	Et	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-32-7	Et	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-32-8	Et	*	H	*	ⁿ Bu	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-33.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-33-1	ⁱ Pr	H	H	H	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-33-2	ⁱ Pr	H	H	CH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-33-3	ⁱ Pr	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-33-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-33-5	ⁱ Pr	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-33-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-33-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-33-8	ⁱ Pr	*	H	*	ⁿ Bu	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-34.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-34-1	ⁱ Bu	H	H	H	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-34-2	ⁱ Bu	H	H	CH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-34-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-34-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-34-5	ⁱ Bu	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-34-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-34-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-34-8	ⁱ Bu	*	H	*	ⁿ Bu	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-35.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-35-1	Ph	H	H	H	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-35-2	Ph	H	H	CH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-35-3	Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-35-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-35-5	Ph	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-35-6	Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-35-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-35-8	Ph	*	H	*	ⁿ Bu	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-36.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-36-1	p-Me-Ph	H	H	H	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-36-2	p-Me-Ph	H	H	CH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-36-3	p-Me-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-36-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-36-5	p-Me-Ph	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-36-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-36-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-36-8	p-Me-Ph	*	H	*	ⁿ Bu	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-37.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-37-1	p-F-Ph	H	H	H	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-37-2	p-F-Ph	H	H	CH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-37-3	p-F-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-37-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-37-5	p-F-Ph	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-37-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-37-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-37-8	p-F-Ph	*	H	*	ⁿ Bu	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-38.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-38-1	p-Cl-Ph	H	H	H	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-38-2	p-Cl-Ph	H	H	CH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-38-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-38-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-38-5	p-Cl-Ph	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-38-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-38-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-38-8	p-Cl-Ph	*	H	*	ⁿ Bu	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-39.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-39-1	p-Br-Ph	H	H	H	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-39-2	p-Br-Ph	H	H	CH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-39-3	p-Br-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-39-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-39-5	p-Br-Ph	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-39-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-39-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-39-8	p-Br-Ph	*	H	*	ⁿ Bu	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-40.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-40-1	p-I-Ph	H	H	H	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-40-2	p-I-Ph	H	H	CH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-40-3	p-I-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-40-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-40-5	p-I-Ph	H	H	CH ₂ Ph	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-40-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-40-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	OCH ₃	H	F	OH	H	H
XX-40-8	p-I-Ph	*	H	*	ⁿ Bu	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XX-41.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-41-1	CH ₃	H	H	H	Bz	OCH ₃	H	F	OH	H	H
XX-41-2	CH ₃	H	H	CH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-41-3	CH ₃	H	H	CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-41-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-41-5	CH ₃	H	H	CH ₂ Ph	Bz	OCH ₃	H	F	OH	H	H
XX-41-6	CH ₃	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	H	F	OH	H	H
XX-41-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-41-8	CH ₃	*	H	*	Bz	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-42.

N ₆	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-42-1	Et	H	H	H	Bz	OCH ₃	H	F	OH	H	H
XX-42-2	Et	H	H	CH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-42-3	Et	H	H	CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-42-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-42-5	Et	H	H	CH ₂ Ph	Bz	OCH ₃	H	F	OH	H	H
XX-42-6	Et	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	H	F	OH	H	H
XX-42-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-42-8	Et	*	H	*	Bz	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-43.

N ₆	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-43-1	ⁱ Pr	H	H	H	Bz	OCH ₃	H	F	OH	H	H
XX-43-2	ⁱ Pr	H	H	CH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-43-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-43-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-43-5	ⁱ Pr	H	H	CH ₂ Ph	Bz	OCH ₃	H	F	OH	H	H
XX-43-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	H	F	OH	H	H
XX-43-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-43-8	ⁱ Pr	*	H	*	Bz	OCH ₃	H	F	OH	H	H

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-44.

N ₆	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-44-1	^t Bu	H	H	H	Bz	OCH ₃	H	F	OH	H	H
XX-44-2	^t Bu	H	H	CH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-44-3	^t Bu	H	H	CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-44-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-44-5	^t Bu	H	H	CH ₂ Ph	Bz	OCH ₃	H	F	OH	H	H
XX-44-6	^t Bu	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	H	F	OH	H	H
XX-44-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-44-8	^t Bu	*	H	*	Bz	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-45.

N ^o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-45-1	Ph	H	H	H	Bz	OCH ₃	H	F	OH	H	H
XX-45-2	Ph	H	H	CH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-45-3	Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-45-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-45-5	Ph	H	H	CH ₂ Ph	Bz	OCH ₃	H	F	OH	H	H
XX-45-6	Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	H	F	OH	H	H
XX-45-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-45-8	Ph	*	H	*	Bz	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-46.

N ^o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-46-1	p-Me-Ph	H	H	H	Bz	OCH ₃	H	F	OH	H	H
XX-46-2	p-Me-Ph	H	H	CH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-46-3	p-Me-Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-46-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-46-5	p-Me-Ph	H	H	CH ₂ Ph	Bz	OCH ₃	H	F	OH	H	H
XX-46-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	H	F	OH	H	H
XX-46-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-46-8	p-Me-Ph	*	H	*	Bz	OCH ₃	H	F	OH	H	H

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-47.

N ^o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-47-1	p-F-Ph	H	H	H	Bz	OCH ₃	H	F	OH	H	H
XX-47-2	p-F-Ph	H	H	CH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-47-3	p-F-Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-47-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-47-5	p-F-Ph	H	H	CH ₂ Ph	Bz	OCH ₃	H	F	OH	H	H
XX-47-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	H	F	OH	H	H
XX-47-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	H	F	OH	H	H

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-47-8	p-F-Ph	*	H	*	Bz	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-48.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-48-1	p-Cl-Ph	H	H	H	Bz	OCH ₃	H	F	OH	H	H
XX-48-2	p-Cl-Ph	H	H	CH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-48-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-48-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-48-5	p-Cl-Ph	H	H	CH ₂ Ph	Bz	OCH ₃	H	F	OH	H	H
XX-48-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	H	F	OH	H	H
XX-48-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-48-8	p-Cl-Ph	*	H	*	Bz	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-49.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-49-1	p-Br-Ph	H	H	H	Bz	OCH ₃	H	F	OH	H	H
XX-49-2	p-Br-Ph	H	H	CH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-49-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-49-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	OCH ₃	H	F	OH	H	H
XX-49-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	H	F	OH	H	H
XX-49-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-49-8	p-Br-Ph	*	H	*	Bz	OCH ₃	H	F	OH	H	H

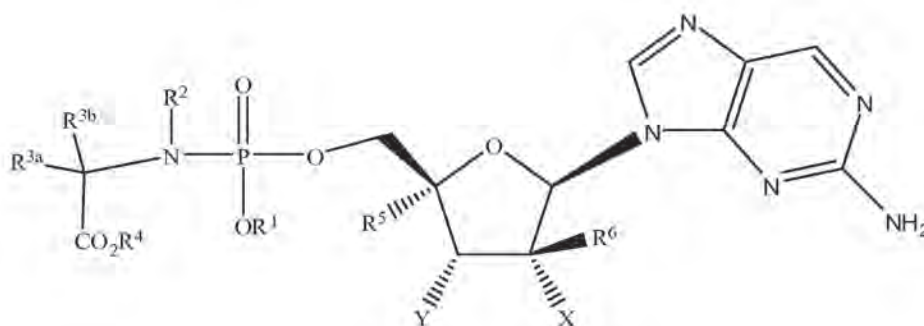
5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XX-50.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-50-1	p-I-Ph	H	H	H	Bz	OCH ₃	H	F	OH	H	H
XX-50-2	p-I-Ph	H	H	CH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-50-3	p-I-Ph	H	H	CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-50-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	OCH ₃	H	F	OH	H	H
XX-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	OCH ₃	H	F	OH	H	H

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y	R ⁷	R ⁸
XX-50-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Bz	OCH ₃	H	F	OH	H	H
XX-50-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	OCH ₃	H	F	OH	H	H
XX-50-8	p-I-Ph	*	H	*	Bz	OCH ₃	H	F	OH	H	H

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.



5

XXI

Table XXI-1.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-1-1	CH ₃	H	H	H	CH ₃	H	CH ₃	F	OH
XXI-1-2	CH ₃	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXI-1-3	CH ₃	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-1-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-1-5	CH ₃	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXI-1-6	CH ₃	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXI-1-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXI-1-8	CH ₃	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-2.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-2-1	Et	H	H	H	CH ₃	H	CH ₃	F	OH
XXI-2-2	Et	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXI-2-3	Et	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-2-4	Et	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-2-5	Et	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXI-2-6	Et	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXI-2-7	Et	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXI-2-8	Et	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-3.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-3-1	ⁱ Pr	H	H	H	CH ₃	H	CH ₃	F	OH
XXI-3-2	ⁱ Pr	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXI-3-3	ⁱ Pr	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-3-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-3-5	ⁱ Pr	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXI-3-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXI-3-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXI-3-8	ⁱ Pr	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-4.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-4-1	^t Bu	H	H	H	CH ₃	H	CH ₃	F	OH
XXI-4-2	^t Bu	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXI-4-3	^t Bu	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-4-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-4-5	^t Bu	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXI-4-6	^t Bu	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXI-4-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXI-4-8	^t Bu	*	H	*	CH ₃	H	CH ₃	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-5.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-5-1	Ph	H	H	H	CH ₃	H	CH ₃	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-5-2	Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXI-5-3	Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-5-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-5-5	Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXI-5-6	Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXI-5-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXI-5-8	Ph	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-6.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-6-1	p-Me-Ph	H	H	H	CH ₃	H	CH ₃	F	OH
XXI-6-2	p-Me-Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXI-6-3	p-Me-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-6-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-6-5	p-Me-Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXI-6-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXI-6-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXI-6-8	p-Me-Ph	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-7.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-7-1	p-F-Ph	H	H	H	CH ₃	H	CH ₃	F	OH
XXI-7-2	p-F-Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXI-7-3	p-F-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-7-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-7-6	p-F-Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXI-7-7	p-F-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXI-7-8	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXI-7-20	p-F-Ph	*	H	*	CH ₃	H	CH ₃	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-8.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-8-1	p-Cl-Ph	H	H	H	CH ₃	H	CH ₃	F	OH
XXI-8-2	p-Cl-Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXI-8-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-8-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-8-5	p-Cl-Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXI-8-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXI-8-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXI-8-8	p-Cl-Ph	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-9.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-9-1	p-Br-Ph	H	H	H	CH ₃	H	CH ₃	F	OH
XXI-9-2	p-Br-Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXI-9-3	p-Br-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-9-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-9-6	p-Br-Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXI-9-7	p-Br-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXI-9-8	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXI-9-20	p-Br-Ph	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-10.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-10-1	p-I-Ph	H	H	H	CH ₃	H	CH ₃	F	OH
XXI-10-2	p-I-Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXI-10-3	p-I-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-10-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXI-10-5	p-I-Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXI-10-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXI-10-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXI-10-8	p-I-Ph	*	H	*	CH ₃	H	CH ₃	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-11.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-11-1	CH ₃	H	H	H	Et	H	CH ₃	F	OH
XXI-11-2	CH ₃	H	H	CH ₃	Et	H	CH ₃	F	OH
XXI-11-3	CH ₃	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-11-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-11-5	CH ₃	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXI-11-6	CH ₃	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXI-11-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXI-11-8	CH ₃	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-12.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-12-1	Et	H	H	H	Et	H	CH ₃	F	OH
XXI-12-2	Et	H	H	CH ₃	Et	H	CH ₃	F	OH
XXI-12-3	Et	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-12-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-12-5	Et	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXI-12-6	Et	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXI-12-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXI-12-8	Et	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXI-13.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-13-1	ⁱ Pr	H	H	H	Et	H	CH ₃	F	OH
XXI-13-2	ⁱ Pr	H	H	CH ₃	Et	H	CH ₃	F	OH
XXI-13-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-13-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-13-5	ⁱ Pr	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXI-13-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXI-13-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXI-13-8	ⁱ Pr	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-14.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-14-1	^t Bu	H	H	H	Et	H	CH ₃	F	OH
XXI-14-2	^t Bu	H	H	CH ₃	Et	H	CH ₃	F	OH
XXI-14-3	^t Bu	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-14-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-14-5	^t Bu	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXI-14-6	^t Bu	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXI-14-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXI-14-8	^t Bu	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-15.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-15-1	Ph	H	H	H	Et	H	CH ₃	F	OH
XXI-15-2	Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXI-15-3	Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-15-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-15-5	Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXI-15-6	Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXI-15-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXI-15-8	Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXI-16.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-16-1	p-Me-Ph	H	H	H	Et	H	CH ₃	F	OH
XXI-16-2	p-Me-Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXI-16-3	p-Me-Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-16-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-16-5	p-Me-Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXI-16-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXI-16-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXI-16-8	p-Me-Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-17.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-17-1	p-F-Ph	H	H	H	Et	H	CH ₃	F	OH
XXI-17-2	p-F-Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXI-17-3	p-F-Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-17-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-17-5	p-F-Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXI-17-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXI-17-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXI-17-8	p-F-Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-18.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-18-1	p-Cl-Ph	H	H	H	Et	H	CH ₃	F	OH
XXI-18-2	p-Cl-Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXI-18-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-18-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-18-5	p-Cl-Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXI-18-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXI-18-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXI-18-8	p-Cl-Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXI-19.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-19-1	p-Br-Ph	H	H	H	Et	H	CH ₃	F	OH
XXI-19-2	p-Br-Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXI-19-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-19-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-19-5	p-Br-Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXI-19-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXI-19-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXI-19-8	p-Br-Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-20.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-20-1	p-I-Ph	H	H	H	Et	H	CH ₃	F	OH
XXI-20-2	p-I-Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXI-20-3	p-I-Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-20-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXI-20-5	p-I-Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXI-20-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXI-20-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXI-20-8	p-I-Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-21.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-21-1	CH ₃	H	H	H	ⁱ Pr	H	CH ₃	F	OH
XXI-21-2	CH ₃	H	H	CH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-21-3	CH ₃	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-21-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-21-5	CH ₃	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	F	OH
XXI-21-6	CH ₃	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	F	OH
XXI-21-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-21-8	CH ₃	*	H	*	ⁱ Pr	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXI-22.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-22-1	Et	H	H	H	ⁱ Pr	H	CH ₃	F	OH
XXI-22-2	Et	H	H	CH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-22-3	Et	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-22-4	Et	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-22-5	Et	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	F	OH
XXI-22-6	Et	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	F	OH
XXI-22-7	Et	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-22-8	Et	*	H	*	ⁱ Pr	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-23.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-23-1	ⁱ Pr	H	H	H	ⁱ Pr	H	CH ₃	F	OH
XXI-23-2	ⁱ Pr	H	H	CH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-23-3	ⁱ Pr	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-23-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-23-5	ⁱ Pr	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	F	OH
XXI-23-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	F	OH
XXI-23-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-23-8	ⁱ Pr	*	H	*	ⁱ Pr	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-24.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-24-1	ⁱ Bu	H	H	H	ⁱ Pr	H	CH ₃	F	OH
XXI-24-2	ⁱ Bu	H	H	CH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-24-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-24-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-24-5	ⁱ Bu	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	F	OH
XXI-24-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	F	OH
XXI-24-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-24-8	ⁱ Bu	*	H	*	ⁱ Pr	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXI-25.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-25-1	Ph	H	H	H	ⁱ Pr	H	CH ₃	F	OH
XXI-25-2	Ph	H	H	CH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-25-3	Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-25-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-25-5	Ph	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	F	OH
XXI-25-6	Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	F	OH
XXI-25-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-25-8	Ph	*	H	*	ⁱ Pr	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-26.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-26-1	p-Me-Ph	H	H	H	ⁱ Pr	H	CH ₃	F	OH
XXI-26-2	p-Me-Ph	H	H	CH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-26-3	p-Me-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-26-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-26-5	p-Me-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	F	OH
XXI-26-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	F	OH
XXI-26-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-26-8	p-Me-Ph	*	H	*	ⁱ Pr	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-27.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-27-1	p-F-Ph	H	H	H	ⁱ Pr	H	CH ₃	F	OH
XXI-27-2	p-F-Ph	H	H	CH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-27-3	p-F-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-27-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-27-5	p-F-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	F	OH
XXI-27-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	F	OH
XXI-27-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-27-8	p-F-Ph	*	H	*	ⁱ Pr	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXI-28.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-28-1	p-Cl-Ph	H	H	H	ⁱ Pr	H	CH ₃	F	OH
XXI-28-2	p-Cl-Ph	H	H	CH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-28-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-28-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-28-5	p-Cl-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	F	OH
XXI-28-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	F	OH
XXI-28-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-28-8	p-Cl-Ph	*	H	*	ⁱ Pr	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-29.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-29-1	p-Br-Ph	H	H	H	ⁱ Pr	H	CH ₃	F	OH
XXI-29-2	p-Br-Ph	H	H	CH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-29-3	p-Br-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-29-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-29-5	p-Br-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	F	OH
XXI-29-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	F	OH
XXI-29-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-29-8	p-Br-Ph	*	H	*	ⁱ Pr	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-30.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-30-1	p-I-Ph	H	H	H	ⁱ Pr	H	CH ₃	F	OH
XXI-30-2	p-I-Ph	H	H	CH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-30-3	p-I-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-30-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	CH ₃	F	OH
XXI-30-5	p-I-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	CH ₃	F	OH
XXI-30-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	CH ₃	F	OH
XXI-30-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	CH ₃	F	OH
XXI-30-8	p-I-Ph	*	H	*	ⁱ Pr	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXI-31.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-31-1	CH ₃	H	H	H	ⁿ Bu	H	CH ₃	F	OH
XXI-31-2	CH ₃	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-31-3	CH ₃	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-31-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-31-5	CH ₃	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH
XXI-31-6	CH ₃	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH
XXI-31-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-31-8	CH ₃	*	H	*	ⁿ Bu	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-32.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-32-1	Et	H	H	H	ⁿ Bu	H	CH ₃	F	OH
XXI-32-2	Et	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-32-3	Et	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-32-4	Et	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-32-5	Et	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH
XXI-32-6	Et	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH
XXI-32-7	Et	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-32-8	Et	*	H	*	ⁿ Bu	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-33.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-33-1	ⁱ Pr	H	H	H	ⁿ Bu	H	CH ₃	F	OH
XXI-33-2	ⁱ Pr	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-33-3	ⁱ Pr	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-33-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-33-5	ⁱ Pr	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH
XXI-33-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH
XXI-33-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-33-8	ⁱ Pr	*	H	*	ⁿ Bu	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXI-34.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-34-1	ⁱ Bu	H	H	H	ⁿ Bu	H	CH ₃	F	OH
XXI-34-2	ⁱ Bu	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-34-3	ⁱ Bu	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-34-4	ⁱ Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-34-5	ⁱ Bu	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH
XXI-34-6	ⁱ Bu	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH
XXI-34-7	ⁱ Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-34-8	ⁱ Bu	*	H	*	ⁿ Bu	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-35.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-35-1	Ph	H	H	H	ⁿ Bu	H	CH ₃	F	OH
XXI-35-2	Ph	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-35-3	Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-35-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-35-5	Ph	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH
XXI-35-6	Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH
XXI-35-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-35-8	Ph	*	H	*	ⁿ Bu	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-36.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-36-1	p-Me-Ph	H	H	H	ⁿ Bu	H	CH ₃	F	OH
XXI-36-2	p-Me-Ph	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-36-3	p-Me-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-36-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-36-5	p-Me-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH
XXI-36-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH
XXI-36-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-36-8	p-Me-Ph	*	H	*	ⁿ Bu	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXI-37.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-37-1	p-F-Ph	H	H	H	ⁿ Bu	H	CH ₃	F	OH
XXI-37-2	p-F-Ph	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-37-3	p-F-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-37-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-37-5	p-F-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH
XXI-37-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH
XXI-37-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-37-8	p-F-Ph	*	H	*	ⁿ Bu	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-38.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-38-1	p-Cl-Ph	H	H	H	ⁿ Bu	H	CH ₃	F	OH
XXI-38-2	p-Cl-Ph	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-38-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-38-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-38-5	p-Cl-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH
XXI-38-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH
XXI-38-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-38-8	p-Cl-Ph	*	H	*	ⁿ Bu	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-39.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-39-1	p-Br-Ph	H	H	H	ⁿ Bu	H	CH ₃	F	OH
XXI-39-2	p-Br-Ph	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-39-3	p-Br-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-39-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-39-5	p-Br-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH
XXI-39-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH
XXI-39-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-39-8	p-Br-Ph	*	H	*	ⁿ Bu	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXI-40.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-40-1	p-I-Ph	H	H	H	ⁿ Bu	H	CH ₃	F	OH
XXI-40-2	p-I-Ph	H	H	CH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-40-3	p-I-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-40-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	CH ₃	F	OH
XXI-40-5	p-I-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	CH ₃	F	OH
XXI-40-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	CH ₃	F	OH
XXI-40-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	CH ₃	F	OH
XXI-40-8	p-I-Ph	*	H	*	ⁿ Bu	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-41.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-41-1	CH ₃	H	H	H	Bz	H	CH ₃	F	OH
XXI-41-2	CH ₃	H	H	CH ₃	Bz	H	CH ₃	F	OH
XXI-41-3	CH ₃	H	H	CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-41-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-41-5	CH ₃	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH
XXI-41-6	CH ₃	H	H	CH ₂ -indol-3-yl	Bz	H	CH ₃	F	OH
XXI-41-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH
XXI-41-8	CH ₃	*	H	*	Bz	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-42.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-42-1	Et	H	H	H	Bz	H	CH ₃	F	OH
XXI-42-2	Et	H	H	CH ₃	Bz	H	CH ₃	F	OH
XXI-42-3	Et	H	H	CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-42-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-42-5	Et	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH
XXI-42-6	Et	H	H	CH ₂ -indol-3-yl	Bz	H	CH ₃	F	OH
XXI-42-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH
XXI-42-8	Et	*	H	*	Bz	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXI-43.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-43-1	ⁱ Pr	H	H	H	Bz	H	CH ₃	F	OH
XXI-43-2	ⁱ Pr	H	H	CH ₃	Bz	H	CH ₃	F	OH
XXI-43-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-43-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-43-5	ⁱ Pr	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH
XXI-43-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Bz	H	CH ₃	F	OH
XXI-43-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH
XXI-43-8	ⁱ Pr	*	H	*	Bz	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-44.

N _o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-44-1	^t Bu	H	H	H	Bz	H	CH ₃	F	OH
XXI-44-2	^t Bu	H	H	CH ₃	Bz	H	CH ₃	F	OH
XXI-44-3	^t Bu	H	H	CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-44-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-44-5	^t Bu	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH
XXI-44-6	^t Bu	H	H	CH ₂ -indol-3-yl	Bz	H	CH ₃	F	OH
XXI-44-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH
XXI-44-8	^t Bu	*	H	*	Bz	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-45.

N _o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-45-1	Ph	H	H	H	Bz	H	CH ₃	F	OH
XXI-45-2	Ph	H	H	CH ₃	Bz	H	CH ₃	F	OH
XXI-45-3	Ph	H	H	CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-45-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-45-5	Ph	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH
XXI-45-6	Ph	H	H	CH ₂ -indol-3-yl	Bz	H	CH ₃	F	OH
XXI-45-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH
XXI-45-8	Ph	*	H	*	Bz	H	CH ₃	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-46.

N _o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-46-1	p-Me-Ph	H	H	H	Bz	H	CH ₃	F	OH
XXI-46-2	p-Me-Ph	H	H	CH ₃	Bz	H	CH ₃	F	OH
XXI-46-3	p-Me-Ph	H	H	CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-46-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-46-5	p-Me-Ph	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH
XXI-46-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	CH ₃	F	OH
XXI-46-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-46-8	p-Me-Ph	*	H	*	Bz	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-47.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-47-1	p-F-Ph	H	H	H	Bz	H	CH ₃	F	OH
XXI-47-2	p-F-Ph	H	H	CH ₃	Bz	H	CH ₃	F	OH
XXI-47-3	p-F-Ph	H	H	CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-47-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-47-5	p-F-Ph	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH
XXI-47-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	CH ₃	F	OH
XXI-47-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH
XXI-47-8	p-F-Ph	*	H	*	Bz	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-48.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-48-1	p-Cl-Ph	H	H	H	Bz	H	CH ₃	F	OH
XXI-48-2	p-Cl-Ph	H	H	CH ₃	Bz	H	CH ₃	F	OH
XXI-48-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-48-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-48-5	p-Cl-Ph	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH
XXI-48-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	CH ₃	F	OH
XXI-48-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH
XXI-48-8	p-Cl-Ph	*	H	*	Bz	H	CH ₃	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-49.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-49-1	p-Br-Ph	H	H	H	Bz	H	CH ₃	F	OH
XXI-49-2	p-Br-Ph	H	H	CH ₃	Bz	H	CH ₃	F	OH
XXI-49-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-49-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-49-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	CH ₃	F	OH
XXI-49-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH
XXI-49-8	p-Br-Ph	*	H	*	Bz	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXI-50.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXI-50-1	p-I-Ph	H	H	H	Bz	H	CH ₃	F	OH
XXI-50-2	p-I-Ph	H	H	CH ₃	Bz	H	CH ₃	F	OH
XXI-50-3	p-I-Ph	H	H	CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-50-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	CH ₃	F	OH
XXI-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	H	CH ₃	F	OH
XXI-50-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	CH ₃	F	OH
XXI-50-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	CH ₃	F	OH
XXI-50-8	p-I-Ph	*	H	*	Bz	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

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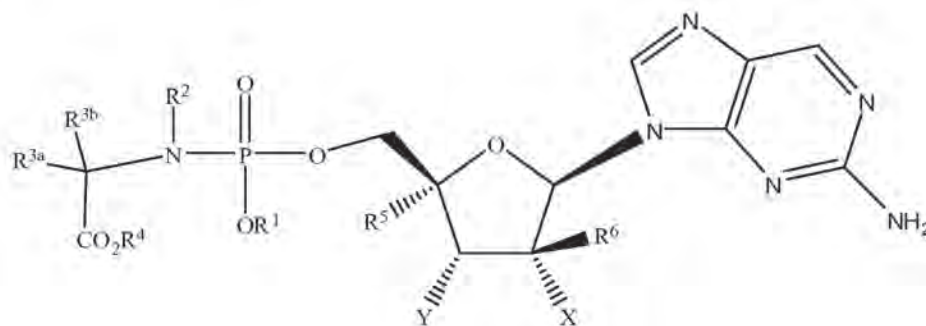
**XXII**

Table XXII-1.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-1-1	CH ₃	H	H	H	CH ₃	H	F	H	OH
XXII-1-2	CH ₃	H	H	CH ₃	CH ₃	H	F	H	OH
XXII-1-3	CH ₃	H	H	CH(CH ₃) ₂	CH ₃	H	F	H	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-1-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-1-5	CH ₃	H	H	CH ₂ Ph	CH ₃	H	F	H	OH
XXII-1-6	CH ₃	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	H	OH
XXII-1-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH
XXII-1-8	CH ₃	*	H	*	CH ₃	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-2.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-2-1	Et	H	H	H	CH ₃	H	F	H	OH
XXII-2-2	Et	H	H	CH ₃	CH ₃	H	F	H	OH
XXII-2-3	Et	H	H	CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-2-4	Et	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-2-5	Et	H	H	CH ₂ Ph	CH ₃	H	F	H	OH
XXII-2-6	Et	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	H	OH
XXII-2-7	Et	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH
XXII-2-8	Et	*	H	*	CH ₃	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-3.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-3-1	ⁱ Pr	H	H	H	CH ₃	H	F	H	OH
XXII-3-2	ⁱ Pr	H	H	CH ₃	CH ₃	H	F	H	OH
XXII-3-3	ⁱ Pr	H	H	CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-3-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-3-5	ⁱ Pr	H	H	CH ₂ Ph	CH ₃	H	F	H	OH
XXII-3-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	H	OH
XXII-3-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH
XXII-3-8	ⁱ Pr	*	H	*	CH ₃	H	F	H	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-4.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-4-1	^t Bu	H	H	H	CH ₃	H	F	H	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-4-2	^t Bu	H	H	CH ₃	CH ₃	H	F	H	OH
XXII-4-3	^t Bu	H	H	CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-4-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-4-5	^t Bu	H	H	CH ₂ Ph	CH ₃	H	F	H	OH
XXII-4-6	^t Bu	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	H	OH
XXII-4-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH
XXII-4-8	^t Bu	*	H	*	CH ₃	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-5.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-5-1	Ph	H	H	H	CH ₃	H	F	H	OH
XXII-5-2	Ph	H	H	CH ₃	CH ₃	H	F	H	OH
XXII-5-3	Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-5-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-5-5	Ph	H	H	CH ₂ Ph	CH ₃	H	F	H	OH
XXII-5-6	Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	H	OH
XXII-5-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH
XXII-5-8	Ph	*	H	*	CH ₃	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-6.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-6-1	p-Me-Ph	H	H	H	CH ₃	H	F	H	OH
XXII-6-2	p-Me-Ph	H	H	CH ₃	CH ₃	H	F	H	OH
XXII-6-3	p-Me-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-6-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-6-5	p-Me-Ph	H	H	CH ₂ Ph	CH ₃	H	F	H	OH
XXII-6-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	H	OH
XXII-6-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH
XXII-6-8	p-Me-Ph	*	H	*	CH ₃	H	F	H	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-7.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-7-1	p-F-Ph	H	H	H	CH ₃	H	F	H	OH
XXII-7-2	p-F-Ph	H	H	CH ₃	CH ₃	H	F	H	OH
XXII-7-3	p-F-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-7-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-7-6	p-F-Ph	H	H	CH ₂ Ph	CH ₃	H	F	H	OH
XXII-7-7	p-F-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	H	OH
XXII-7-8	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH
XXII-7-20	p-F-Ph	*	H	*	CH ₃	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-8.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-8-1	p-Cl-Ph	H	H	H	CH ₃	H	F	H	OH
XXII-8-2	p-Cl-Ph	H	H	CH ₃	CH ₃	H	F	H	OH
XXII-8-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-8-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-8-5	p-Cl-Ph	H	H	CH ₂ Ph	CH ₃	H	F	H	OH
XXII-8-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	H	OH
XXII-8-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH
XXII-8-8	p-Cl-Ph	*	H	*	CH ₃	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-9.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-9-1	p-Br-Ph	H	H	H	CH ₃	H	F	H	OH
XXII-9-2	p-Br-Ph	H	H	CH ₃	CH ₃	H	F	H	OH
XXII-9-3	p-Br-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-9-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-9-6	p-Br-Ph	H	H	CH ₂ Ph	CH ₃	H	F	H	OH
XXII-9-7	p-Br-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	H	OH
XXII-9-8	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH
XXII-9-20	p-Br-Ph	*	H	*	CH ₃	H	F	H	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-10.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-10-1	p-I-Ph	H	H	H	CH ₃	H	F	H	OH
XXII-10-2	p-I-Ph	H	H	CH ₃	CH ₃	H	F	H	OH
XXII-10-3	p-I-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-10-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	H	OH
XXII-10-5	p-I-Ph	H	H	CH ₂ Ph	CH ₃	H	F	H	OH
XXII-10-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	H	OH
XXII-10-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	H	OH
XXII-10-8	p-I-Ph	*	H	*	CH ₃	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-11.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-11-1	CH ₃	H	H	H	Et	H	F	H	OH
XXII-11-2	CH ₃	H	H	CH ₃	Et	H	F	H	OH
XXII-11-3	CH ₃	H	H	CH(CH ₃) ₂	Et	H	F	H	OH
XXII-11-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	H	OH
XXII-11-5	CH ₃	H	H	CH ₂ Ph	Et	H	F	H	OH
XXII-11-6	CH ₃	H	H	CH ₂ -indol-3-yl	Et	H	F	H	OH
XXII-11-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	H	OH
XXII-11-8	CH ₃	*	H	*	Et	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXII-12.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-12-1	Et	H	H	H	Et	H	F	H	OH
XXII-12-2	Et	H	H	CH ₃	Et	H	F	H	OH
XXII-12-3	Et	H	H	CH(CH ₃) ₂	Et	H	F	H	OH
XXII-12-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	H	OH
XXII-12-5	Et	H	H	CH ₂ Ph	Et	H	F	H	OH
XXII-12-6	Et	H	H	CH ₂ -indol-3-yl	Et	H	F	H	OH
XXII-12-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	H	OH
XXII-12-8	Et	*	H	*	Et	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-13.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-13-1	ⁱ Pr	H	H	H	Et	H	F	H	OH
XXII-13-2	ⁱ Pr	H	H	CH ₃	Et	H	F	H	OH
XXII-13-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Et	H	F	H	OH
XXII-13-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	H	OH
XXII-13-5	ⁱ Pr	H	H	CH ₂ Ph	Et	H	F	H	OH
XXII-13-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Et	H	F	H	OH
XXII-13-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	H	OH
XXII-13-8	ⁱ Pr	*	H	*	Et	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-14.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-14-1	^t Bu	H	H	H	Et	H	F	H	OH
XXII-14-2	^t Bu	H	H	CH ₃	Et	H	F	H	OH
XXII-14-3	^t Bu	H	H	CH(CH ₃) ₂	Et	H	F	H	OH
XXII-14-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	H	OH
XXII-14-5	^t Bu	H	H	CH ₂ Ph	Et	H	F	H	OH
XXII-14-6	^t Bu	H	H	CH ₂ -indol-3-yl	Et	H	F	H	OH
XXII-14-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	H	OH
XXII-14-8	^t Bu	*	H	*	Et	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXII-15.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-15-1	Ph	H	H	H	Et	H	F	H	OH
XXII-15-2	Ph	H	H	CH ₃	Et	H	F	H	OH
XXII-15-3	Ph	H	H	CH(CH ₃) ₂	Et	H	F	H	OH
XXII-15-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	H	OH
XXII-15-5	Ph	H	H	CH ₂ Ph	Et	H	F	H	OH
XXII-15-6	Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	H	OH
XXII-15-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	H	OH
XXII-15-8	Ph	*	H	*	Et	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-16.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-16-1	p-Me-Ph	H	H	H	Et	H	F	H	OH
XXII-16-2	p-Me-Ph	H	H	CH ₃	Et	H	F	H	OH
XXII-16-3	p-Me-Ph	H	H	CH(CH ₃) ₂	Et	H	F	H	OH
XXII-16-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	H	OH
XXII-16-5	p-Me-Ph	H	H	CH ₂ Ph	Et	H	F	H	OH
XXII-16-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	H	OH
XXII-16-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	H	OH
XXII-16-8	p-Me-Ph	*	H	*	Et	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-17.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-17-1	p-F-Ph	H	H	H	Et	H	F	H	OH
XXII-17-2	p-F-Ph	H	H	CH ₃	Et	H	F	H	OH
XXII-17-3	p-F-Ph	H	H	CH(CH ₃) ₂	Et	H	F	H	OH
XXII-17-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	H	OH
XXII-17-5	p-F-Ph	H	H	CH ₂ Ph	Et	H	F	H	OH
XXII-17-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	H	OH
XXII-17-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	H	OH
XXII-17-8	p-F-Ph	*	H	*	Et	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXII-18.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-18-1	p-Cl-Ph	H	H	H	Et	H	F	H	OH
XXII-18-2	p-Cl-Ph	H	H	CH ₃	Et	H	F	H	OH
XXII-18-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Et	H	F	H	OH
XXII-18-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	H	OH
XXII-18-5	p-Cl-Ph	H	H	CH ₂ Ph	Et	H	F	H	OH
XXII-18-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	H	OH
XXII-18-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	H	OH
XXII-18-8	p-Cl-Ph	*	H	*	Et	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-19.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-19-1	p-Br-Ph	H	H	H	Et	H	F	H	OH
XXII-19-2	p-Br-Ph	H	H	CH ₃	Et	H	F	H	OH
XXII-19-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Et	H	F	H	OH
XXII-19-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	H	OH
XXII-19-5	p-Br-Ph	H	H	CH ₂ Ph	Et	H	F	H	OH
XXII-19-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	H	OH
XXII-19-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	H	OH
XXII-19-8	p-Br-Ph	*	H	*	Et	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-20.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-20-1	p-I-Ph	H	H	H	Et	H	F	H	OH
XXII-20-2	p-I-Ph	H	H	CH ₃	Et	H	F	H	OH
XXII-20-3	p-I-Ph	H	H	CH(CH ₃) ₂	Et	H	F	H	OH
XXII-20-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	H	OH
XXII-20-5	p-I-Ph	H	H	CH ₂ Ph	Et	H	F	H	OH
XXII-20-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	H	OH
XXII-20-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	H	OH
XXII-20-8	p-I-Ph	*	H	*	Et	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXII-21.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-21-1	CH ₃	H	H	H	ⁱ Pr	H	F	H	OH
XXII-21-2	CH ₃	H	H	CH ₃	ⁱ Pr	H	F	H	OH
XXII-21-3	CH ₃	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-21-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-21-5	CH ₃	H	H	CH ₂ Ph	ⁱ Pr	H	F	H	OH
XXII-21-6	CH ₃	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	H	OH
XXII-21-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH
XXII-21-8	CH ₃	*	H	*	ⁱ Pr	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-22.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-22-1	Et	H	H	H	ⁱ Pr	H	F	H	OH
XXII-22-2	Et	H	H	CH ₃	ⁱ Pr	H	F	H	OH
XXII-22-3	Et	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-22-4	Et	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-22-5	Et	H	H	CH ₂ Ph	ⁱ Pr	H	F	H	OH
XXII-22-6	Et	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	H	OH
XXII-22-7	Et	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH
XXII-22-8	Et	*	H	*	ⁱ Pr	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-23.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-23-1	ⁱ Pr	H	H	H	ⁱ Pr	H	F	H	OH
XXII-23-2	ⁱ Pr	H	H	CH ₃	ⁱ Pr	H	F	H	OH
XXII-23-3	ⁱ Pr	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-23-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-23-5	ⁱ Pr	H	H	CH ₂ Ph	ⁱ Pr	H	F	H	OH
XXII-23-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	H	OH
XXII-23-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH
XXII-23-8	ⁱ Pr	*	H	*	ⁱ Pr	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXII-24.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-24-1	^t Bu	H	H	H	ⁱ Pr	H	F	H	OH
XXII-24-2	^t Bu	H	H	CH ₃	ⁱ Pr	H	F	H	OH
XXII-24-3	^t Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-24-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-24-5	^t Bu	H	H	CH ₂ Ph	ⁱ Pr	H	F	H	OH
XXII-24-6	^t Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	H	OH
XXII-24-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH
XXII-24-8	^t Bu	*	H	*	ⁱ Pr	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-25.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-25-1	Ph	H	H	H	ⁱ Pr	H	F	H	OH
XXII-25-2	Ph	H	H	CH ₃	ⁱ Pr	H	F	H	OH
XXII-25-3	Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-25-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-25-5	Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	H	OH
XXII-25-6	Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	H	OH
XXII-25-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH
XXII-25-8	Ph	*	H	*	ⁱ Pr	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-26.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-26-1	p-Me-Ph	H	H	H	ⁱ Pr	H	F	H	OH
XXII-26-2	p-Me-Ph	H	H	CH ₃	ⁱ Pr	H	F	H	OH
XXII-26-3	p-Me-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-26-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-26-5	p-Me-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	H	OH
XXII-26-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	H	OH
XXII-26-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH
XXII-26-8	p-Me-Ph	*	H	*	ⁱ Pr	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXII-27.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-27-1	p-F-Ph	H	H	H	ⁱ Pr	H	F	H	OH
XXII-27-2	p-F-Ph	H	H	CH ₃	ⁱ Pr	H	F	H	OH
XXII-27-3	p-F-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-27-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-27-5	p-F-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	H	OH
XXII-27-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	H	OH
XXII-27-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH
XXII-27-8	p-F-Ph	*	H	*	ⁱ Pr	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-28.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-28-1	p-Cl-Ph	H	H	H	ⁱ Pr	H	F	H	OH
XXII-28-2	p-Cl-Ph	H	H	CH ₃	ⁱ Pr	H	F	H	OH
XXII-28-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-28-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-28-5	p-Cl-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	H	OH
XXII-28-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	H	OH
XXII-28-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH
XXII-28-8	p-Cl-Ph	*	H	*	ⁱ Pr	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-29.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-29-1	p-Br-Ph	H	H	H	ⁱ Pr	H	F	H	OH
XXII-29-2	p-Br-Ph	H	H	CH ₃	ⁱ Pr	H	F	H	OH
XXII-29-3	p-Br-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-29-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-29-5	p-Br-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	H	OH
XXII-29-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	H	OH
XXII-29-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH
XXII-29-8	p-Br-Ph	*	H	*	ⁱ Pr	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXII-30.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-30-1	p-I-Ph	H	H	H	ⁱ Pr	H	F	H	OH
XXII-30-2	p-I-Ph	H	H	CH ₃	ⁱ Pr	H	F	H	OH
XXII-30-3	p-I-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-30-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	H	OH
XXII-30-5	p-I-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	H	OH
XXII-30-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	H	OH
XXII-30-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	H	OH
XXII-30-8	p-I-Ph	*	H	*	ⁱ Pr	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-31.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-31-1	CH ₃	H	H	H	ⁿ Bu	H	F	H	OH
XXII-31-2	CH ₃	H	H	CH ₃	ⁿ Bu	H	F	H	OH
XXII-31-3	CH ₃	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-31-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-31-5	CH ₃	H	H	CH ₂ Ph	ⁿ Bu	H	F	H	OH
XXII-31-6	CH ₃	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	H	OH
XXII-31-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH
XXII-31-8	CH ₃	*	H	*	ⁿ Bu	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-32.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-32-1	Et	H	H	H	ⁿ Bu	H	F	H	OH
XXII-32-2	Et	H	H	CH ₃	ⁿ Bu	H	F	H	OH
XXII-32-3	Et	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-32-4	Et	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-32-5	Et	H	H	CH ₂ Ph	ⁿ Bu	H	F	H	OH
XXII-32-6	Et	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	H	OH
XXII-32-7	Et	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH
XXII-32-8	Et	*	H	*	ⁿ Bu	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXII-33.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-33-1	ⁱ Pr	H	H	H	ⁿ Bu	H	F	H	OH
XXII-33-2	ⁱ Pr	H	H	CH ₃	ⁿ Bu	H	F	H	OH
XXII-33-3	ⁱ Pr	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-33-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-33-5	ⁱ Pr	H	H	CH ₂ Ph	ⁿ Bu	H	F	H	OH
XXII-33-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	H	OH
XXII-33-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH
XXII-33-8	ⁱ Pr	*	H	*	ⁿ Bu	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-34.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-34-1	^t Bu	H	H	H	ⁿ Bu	H	F	H	OH
XXII-34-2	^t Bu	H	H	CH ₃	ⁿ Bu	H	F	H	OH
XXII-34-3	^t Bu	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-34-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-34-5	^t Bu	H	H	CH ₂ Ph	ⁿ Bu	H	F	H	OH
XXII-34-6	^t Bu	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	H	OH
XXII-34-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH
XXII-34-8	^t Bu	*	H	*	ⁿ Bu	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-35.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-35-1	Ph	H	H	H	ⁿ Bu	H	F	H	OH
XXII-35-2	Ph	H	H	CH ₃	ⁿ Bu	H	F	H	OH
XXII-35-3	Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-35-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-35-5	Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	H	OH
XXII-35-6	Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	H	OH
XXII-35-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH
XXII-35-8	Ph	*	H	*	ⁿ Bu	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXII-36.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-36-1	p-Me-Ph	H	H	H	ⁿ Bu	H	F	H	OH
XXII-36-2	p-Me-Ph	H	H	CH ₃	ⁿ Bu	H	F	H	OH
XXII-36-3	p-Me-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-36-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-36-5	p-Me-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	H	OH
XXII-36-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	H	OH
XXII-36-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH
XXII-36-8	p-Me-Ph	*	H	*	ⁿ Bu	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-37.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-37-1	p-F-Ph	H	H	H	ⁿ Bu	H	F	H	OH
XXII-37-2	p-F-Ph	H	H	CH ₃	ⁿ Bu	H	F	H	OH
XXII-37-3	p-F-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-37-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-37-5	p-F-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	H	OH
XXII-37-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	H	OH
XXII-37-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH
XXII-37-8	p-F-Ph	*	H	*	ⁿ Bu	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-38.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-38-1	p-Cl-Ph	H	H	H	ⁿ Bu	H	F	H	OH
XXII-38-2	p-Cl-Ph	H	H	CH ₃	ⁿ Bu	H	F	H	OH
XXII-38-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-38-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-38-5	p-Cl-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	H	OH
XXII-38-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	H	OH
XXII-38-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH
XXII-38-8	p-Cl-Ph	*	H	*	ⁿ Bu	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXII-39.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-39-1	p-Br-Ph	H	H	H	ⁿ Bu	H	F	H	OH
XXII-39-2	p-Br-Ph	H	H	CH ₃	ⁿ Bu	H	F	H	OH
XXII-39-3	p-Br-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-39-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-39-5	p-Br-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	H	OH
XXII-39-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	H	OH
XXII-39-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH
XXII-39-8	p-Br-Ph	*	H	*	ⁿ Bu	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-40.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-40-1	p-I-Ph	H	H	H	ⁿ Bu	H	F	H	OH
XXII-40-2	p-I-Ph	H	H	CH ₃	ⁿ Bu	H	F	H	OH
XXII-40-3	p-I-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-40-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	H	OH
XXII-40-5	p-I-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	H	OH
XXII-40-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	H	OH
XXII-40-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	H	OH
XXII-40-8	p-I-Ph	*	H	*	ⁿ Bu	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-41.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-41-1	CH ₃	H	H	H	Bz	H	F	H	OH
XXII-41-2	CH ₃	H	H	CH ₃	Bz	H	F	H	OH
XXII-41-3	CH ₃	H	H	CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-41-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-41-5	CH ₃	H	H	CH ₂ Ph	Bz	H	F	H	OH
XXII-41-6	CH ₃	H	H	CH ₂ -indol-3-yl	Bz	H	F	H	OH
XXII-41-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	H	OH
XXII-41-8	CH ₃	*	H	*	Bz	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXII-42.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-42-1	Et	H	H	H	Bz	H	F	H	OH
XXII-42-2	Et	H	H	CH ₃	Bz	H	F	H	OH
XXII-42-3	Et	H	H	CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-42-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-42-5	Et	H	H	CH ₂ Ph	Bz	H	F	H	OH
XXII-42-6	Et	H	H	CH ₂ -indol-3-yl	Bz	H	F	H	OH
XXII-42-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	H	OH
XXII-42-8	Et	*	H	*	Bz	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-43.

N ₆	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-43-1	ⁱ Pr	H	H	H	Bz	H	F	H	OH
XXII-43-2	ⁱ Pr	H	H	CH ₃	Bz	H	F	H	OH
XXII-43-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-43-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-43-5	ⁱ Pr	H	H	CH ₂ Ph	Bz	H	F	H	OH
XXII-43-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Bz	H	F	H	OH
XXII-43-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	H	OH
XXII-43-8	ⁱ Pr	*	H	*	Bz	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-44.

N ₆	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-44-1	^t Bu	H	H	H	Bz	H	F	H	OH
XXII-44-2	^t Bu	H	H	CH ₃	Bz	H	F	H	OH
XXII-44-3	^t Bu	H	H	CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-44-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-44-5	^t Bu	H	H	CH ₂ Ph	Bz	H	F	H	OH
XXII-44-6	^t Bu	H	H	CH ₂ -indol-3-yl	Bz	H	F	H	OH
XXII-44-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	H	OH
XXII-44-8	^t Bu	*	H	*	Bz	H	F	H	OH

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-45.

N ₆	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-45-1	Ph	H	H	H	Bz	H	F	H	OH
XXII-45-2	Ph	H	H	CH ₃	Bz	H	F	H	OH
XXII-45-3	Ph	H	H	CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-45-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-45-5	Ph	H	H	CH ₂ Ph	Bz	H	F	H	OH
XXII-45-6	Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	H	OH
XXII-45-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	H	OH
XXII-45-8	Ph	*	H	*	Bz	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-46.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-46-1	p-Mc-Ph	H	H	H	Bz	H	F	H	OH
XXII-46-2	p-Mc-Ph	H	H	CH ₃	Bz	H	F	H	OH
XXII-46-3	p-Mc-Ph	H	H	CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-46-4	p-Mc-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-46-5	p-Mc-Ph	H	H	CH ₂ Ph	Bz	H	F	H	OH
XXII-46-6	p-Mc-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	H	OH
XXII-46-7	p-Mc-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	H	OH
XXII-46-8	p-Mc-Ph	*	H	*	Bz	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-47.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-47-1	p-F-Ph	H	H	H	Bz	H	F	H	OH
XXII-47-2	p-F-Ph	H	H	CH ₃	Bz	H	F	H	OH
XXII-47-3	p-F-Ph	H	H	CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-47-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-47-5	p-F-Ph	H	H	CH ₂ Ph	Bz	H	F	H	OH
XXII-47-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	H	OH
XXII-47-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	H	OH
XXII-47-8	p-F-Ph	*	H	*	Bz	H	F	H	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-48.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-48-1	p-Cl-Ph	H	H	H	Bz	H	F	H	OH
XXII-48-2	p-Cl-Ph	H	H	CH ₃	Bz	H	F	H	OH
XXII-48-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-48-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-48-5	p-Cl-Ph	H	H	CH ₂ Ph	Bz	H	F	H	OH
XXII-48-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	H	OH
XXII-48-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	H	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-48-8	p-Cl-Ph	*	H	*	Bz	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-49.

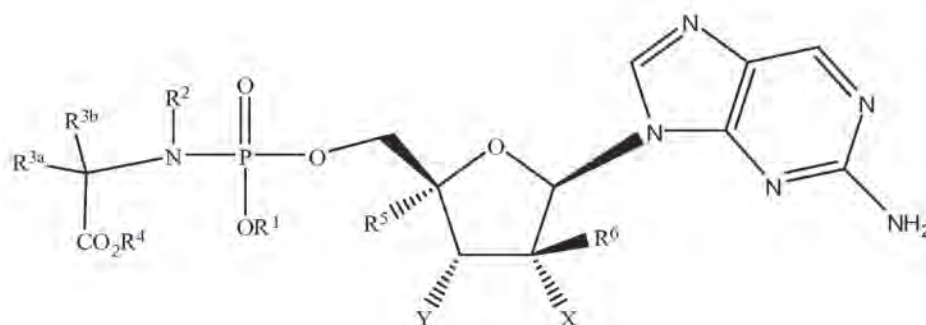
No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-49-1	p-Br-Ph	H	H	H	Bz	H	F	H	OH
XXII-49-2	p-Br-Ph	H	H	CH ₃	Bz	H	F	H	OH
XXII-49-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-49-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	H	F	H	OH
XXII-49-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	H	OH
XXII-49-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	H	OH
XXII-49-8	p-Br-Ph	*	H	*	Bz	H	F	H	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXII-50.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXII-50-1	p-I-Ph	H	H	H	Bz	H	F	H	OH
XXII-50-2	p-I-Ph	H	H	CH ₃	Bz	H	F	H	OH
XXII-50-3	p-I-Ph	H	H	CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-50-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	H	OH
XXII-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	H	F	H	OH
XXII-50-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	H	OH
XXII-50-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	H	OH
XXII-50-8	p-I-Ph	*	H	*	Bz	H	F	H	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.



XXIII

Table XXIII-1.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-1-1	CH ₃	H	H	H	CH ₃	H	F	F	OH
XXIII-1-2	CH ₃	H	H	CH ₃	CH ₃	H	F	F	OH
XXIII-1-3	CH ₃	H	H	CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-1-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-1-5	CH ₃	H	H	CH ₂ Ph	CH ₃	H	F	F	OH
XXIII-1-6	CH ₃	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	F	OH
XXIII-1-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH
XXIII-1-8	CH ₃	*	H	*	CH ₃	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-2.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-2-1	Et	H	H	H	CH ₃	H	F	F	OH
XXIII-2-2	Et	H	H	CH ₃	CH ₃	H	F	F	OH
XXIII-2-3	Et	H	H	CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-2-4	Et	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-2-5	Et	H	H	CH ₂ Ph	CH ₃	H	F	F	OH
XXIII-2-6	Et	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	F	OH
XXIII-2-7	Et	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH
XXIII-2-8	Et	*	H	*	CH ₃	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-3.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-3-1	<i>i</i> Pr	H	H	H	CH ₃	H	F	F	OH
XXIII-3-2	<i>i</i> Pr	H	H	CH ₃	CH ₃	H	F	F	OH
XXIII-3-3	<i>i</i> Pr	H	H	CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-3-4	<i>i</i> Pr	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-3-5	<i>i</i> Pr	H	H	CH ₂ Ph	CH ₃	H	F	F	OH
XXIII-3-6	<i>i</i> Pr	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	F	OH
XXIII-3-7	<i>i</i> Pr	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH
XXIII-3-8	<i>i</i> Pr	*	H	*	CH ₃	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-4.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-4-1	<i>t</i> Bu	H	H	H	CH ₃	H	F	F	OH
XXIII-4-2	<i>t</i> Bu	H	H	CH ₃	CH ₃	H	F	F	OH
XXIII-4-3	<i>t</i> Bu	H	H	CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-4-4	<i>t</i> Bu	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-4-5	<i>t</i> Bu	H	H	CH ₂ Ph	CH ₃	H	F	F	OH
XXIII-4-6	<i>t</i> Bu	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	F	OH
XXIII-4-7	<i>t</i> Bu	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH
XXIII-4-8	<i>t</i> Bu	*	H	*	CH ₃	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-5.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-5-1	Ph	H	H	H	CH ₃	H	F	F	OH
XXIII-5-2	Ph	H	H	CH ₃	CH ₃	H	F	F	OH
XXIII-5-3	Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-5-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-5-5	Ph	H	H	CH ₂ Ph	CH ₃	H	F	F	OH
XXIII-5-6	Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	F	OH
XXIII-5-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH
XXIII-5-8	Ph	*	H	*	CH ₃	H	F	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-6.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-6-1	p-Me-Ph	H	H	H	CH ₃	H	F	F	OH
XXIII-6-2	p-Me-Ph	H	H	CH ₃	CH ₃	H	F	F	OH
XXIII-6-3	p-Me-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-6-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-6-5	p-Me-Ph	H	H	CH ₂ Ph	CH ₃	H	F	F	OH
XXIII-6-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	F	OH
XXIII-6-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH
XXIII-6-8	p-Me-Ph	*	H	*	CH ₃	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-7.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-7-1	p-F-Ph	H	H	H	CH ₃	H	F	F	OH
XXIII-7-2	p-F-Ph	H	H	CH ₃	CH ₃	H	F	F	OH
XXIII-7-3	p-F-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-7-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-7-6	p-F-Ph	H	H	CH ₂ Ph	CH ₃	H	F	F	OH
XXIII-7-7	p-F-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	F	OH
XXIII-7-8	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH
XXIII-7-20	p-F-Ph	*	H	*	CH ₃	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-8.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-8-1	p-Cl-Ph	H	H	H	CH ₃	H	F	F	OH
XXIII-8-2	p-Cl-Ph	H	H	CH ₃	CH ₃	H	F	F	OH
XXIII-8-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-8-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-8-5	p-Cl-Ph	H	H	CH ₂ Ph	CH ₃	H	F	F	OH
XXIII-8-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	F	OH
XXIII-8-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH
XXIII-8-8	p-Cl-Ph	*	H	*	CH ₃	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-9.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-9-1	p-Br-Ph	H	H	H	CH ₃	H	F	F	OH
XXIII-9-2	p-Br-Ph	H	H	CH ₃	CH ₃	H	F	F	OH
XXIII-9-3	p-Br-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-9-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-9-6	p-Br-Ph	H	H	CH ₂ Ph	CH ₃	H	F	F	OH
XXIII-9-7	p-Br-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	F	OH
XXIII-9-8	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH
XXIII-9-20	p-Br-Ph	*	H	*	CH ₃	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-10.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-10-1	p-I-Ph	H	H	H	CH ₃	H	F	F	OH
XXIII-10-2	p-I-Ph	H	H	CH ₃	CH ₃	H	F	F	OH
XXIII-10-3	p-I-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-10-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	F	F	OH
XXIII-10-5	p-I-Ph	H	H	CH ₂ Ph	CH ₃	H	F	F	OH
XXIII-10-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	F	F	OH
XXIII-10-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	F	F	OH
XXIII-10-8	p-I-Ph	*	H	*	CH ₃	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-11.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-11-1	CH ₃	H	H	H	Et	H	F	F	OH
XXIII-11-2	CH ₃	H	H	CH ₃	Et	H	F	F	OH
XXIII-11-3	CH ₃	H	H	CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-11-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-11-5	CH ₃	H	H	CH ₂ Ph	Et	H	F	F	OH
XXIII-11-6	CH ₃	H	H	CH ₂ -indol-3-yl	Et	H	F	F	OH
XXIII-11-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	F	OH
XXIII-11-8	CH ₃	*	H	*	Et	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-12.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-12-1	Et	H	H	H	Et	H	F	F	OH
XXIII-12-2	Et	H	H	CH ₃	Et	H	F	F	OH
XXIII-12-3	Et	H	H	CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-12-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-12-5	Et	H	H	CH ₂ Ph	Et	H	F	F	OH
XXIII-12-6	Et	H	H	CH ₂ -indol-3-yl	Et	H	F	F	OH
XXIII-12-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	F	OH
XXIII-12-8	Et	*	H	*	Et	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-13.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-13-1	ⁱ Pr	H	H	H	Et	H	F	F	OH
XXIII-13-2	ⁱ Pr	H	H	CH ₃	Et	H	F	F	OH
XXIII-13-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-13-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-13-5	ⁱ Pr	H	H	CH ₂ Ph	Et	H	F	F	OH
XXIII-13-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Et	H	F	F	OH
XXIII-13-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	F	OH
XXIII-13-8	ⁱ Pr	*	H	*	Et	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-14.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-14-1	^t Bu	H	H	H	Et	H	F	F	OH
XXIII-14-2	^t Bu	H	H	CH ₃	Et	H	F	F	OH
XXIII-14-3	^t Bu	H	H	CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-14-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-14-5	^t Bu	H	H	CH ₂ Ph	Et	H	F	F	OH
XXIII-14-6	^t Bu	H	H	CH ₂ -indol-3-yl	Et	H	F	F	OH
XXIII-14-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	F	OH
XXIII-14-8	^t Bu	*	H	*	Et	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-15.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-15-1	Ph	H	H	H	Et	H	F	F	OH
XXIII-15-2	Ph	H	H	CH ₃	Et	H	F	F	OH
XXIII-15-3	Ph	H	H	CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-15-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-15-5	Ph	H	H	CH ₂ Ph	Et	H	F	F	OH
XXIII-15-6	Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	F	OH
XXIII-15-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	F	OH
XXIII-15-8	Ph	*	H	*	Et	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-16.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-16-1	p-Me-Ph	H	H	H	Et	H	F	F	OH
XXIII-16-2	p-Me-Ph	H	H	CH ₃	Et	H	F	F	OH
XXIII-16-3	p-Me-Ph	H	H	CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-16-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-16-5	p-Me-Ph	H	H	CH ₂ Ph	Et	H	F	F	OH
XXIII-16-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	F	OH
XXIII-16-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	F	OH
XXIII-16-8	p-Me-Ph	*	H	*	Et	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-17.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-17-1	p-F-Ph	H	H	H	Et	H	F	F	OH
XXIII-17-2	p-F-Ph	H	H	CH ₃	Et	H	F	F	OH
XXIII-17-3	p-F-Ph	H	H	CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-17-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-17-5	p-F-Ph	H	H	CH ₂ Ph	Et	H	F	F	OH
XXIII-17-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	F	OH
XXIII-17-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	F	OH
XXIII-17-8	p-F-Ph	*	H	*	Et	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-18.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-18-1	p-Cl-Ph	H	H	H	Et	H	F	F	OH
XXIII-18-2	p-Cl-Ph	H	H	CH ₃	Et	H	F	F	OH
XXIII-18-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-18-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-18-5	p-Cl-Ph	H	H	CH ₂ Ph	Et	H	F	F	OH
XXIII-18-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	F	OH
XXIII-18-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	F	OH
XXIII-18-8	p-Cl-Ph	*	H	*	Et	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-19.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-19-1	p-Br-Ph	H	H	H	Et	H	F	F	OH
XXIII-19-2	p-Br-Ph	H	H	CH ₃	Et	H	F	F	OH
XXIII-19-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-19-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-19-5	p-Br-Ph	H	H	CH ₂ Ph	Et	H	F	F	OH
XXIII-19-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	F	OH
XXIII-19-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	F	OH
XXIII-19-8	p-Br-Ph	*	H	*	Et	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-20.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-20-1	p-I-Ph	H	H	H	Et	H	F	F	OH
XXIII-20-2	p-I-Ph	H	H	CH ₃	Et	H	F	F	OH
XXIII-20-3	p-I-Ph	H	H	CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-20-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	F	F	OH
XXIII-20-5	p-I-Ph	H	H	CH ₂ Ph	Et	H	F	F	OH
XXIII-20-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Et	H	F	F	OH
XXIII-20-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	F	F	OH
XXIII-20-8	p-I-Ph	*	H	*	Et	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-21.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-21-1	CH ₃	H	H	H	ⁱ Pr	H	F	F	OH
XXIII-21-2	CH ₃	H	H	CH ₃	ⁱ Pr	H	F	F	OH
XXIII-21-3	CH ₃	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-21-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-21-5	CH ₃	H	H	CH ₂ Ph	ⁱ Pr	H	F	F	OH
XXIII-21-6	CH ₃	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	F	OH
XXIII-21-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH
XXIII-21-8	CH ₃	*	H	*	ⁱ Pr	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-22.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-22-1	Et	H	H	H	ⁱ Pr	H	F	F	OH
XXIII-22-2	Et	H	H	CH ₃	ⁱ Pr	H	F	F	OH
XXIII-22-3	Et	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-22-4	Et	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-22-5	Et	H	H	CH ₂ Ph	ⁱ Pr	H	F	F	OH
XXIII-22-6	Et	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	F	OH
XXIII-22-7	Et	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH
XXIII-22-8	Et	*	H	*	ⁱ Pr	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-23.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-23-1	ⁱ Pr	H	H	H	ⁱ Pr	H	F	F	OH
XXIII-23-2	ⁱ Pr	H	H	CH ₃	ⁱ Pr	H	F	F	OH
XXIII-23-3	ⁱ Pr	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-23-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-23-5	ⁱ Pr	H	H	CH ₂ Ph	ⁱ Pr	H	F	F	OH
XXIII-23-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	F	OH
XXIII-23-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH
XXIII-23-8	ⁱ Pr	*	H	*	ⁱ Pr	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-24.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-24-1	^t Bu	H	H	H	ⁱ Pr	H	F	F	OH
XXIII-24-2	^t Bu	H	H	CH ₃	ⁱ Pr	H	F	F	OH
XXIII-24-3	^t Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-24-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-24-5	^t Bu	H	H	CH ₂ Ph	ⁱ Pr	H	F	F	OH
XXIII-24-6	^t Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	F	OH
XXIII-24-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH
XXIII-24-8	^t Bu	*	H	*	ⁱ Pr	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-25.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-25-1	Ph	H	H	H	ⁱ Pr	H	F	F	OH
XXIII-25-2	Ph	H	H	CH ₃	ⁱ Pr	H	F	F	OH
XXIII-25-3	Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-25-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-25-5	Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	F	OH
XXIII-25-6	Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	F	OH
XXIII-25-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH
XXIII-25-8	Ph	*	H	*	ⁱ Pr	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-26.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-26-1	p-Me-Ph	H	H	H	ⁱ Pr	H	F	F	OH
XXIII-26-2	p-Me-Ph	H	H	CH ₃	ⁱ Pr	H	F	F	OH
XXIII-26-3	p-Me-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-26-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-26-5	p-Me-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	F	OH
XXIII-26-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	F	OH
XXIII-26-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH
XXIII-26-8	p-Me-Ph	*	H	*	ⁱ Pr	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-27.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-27-1	p-F-Ph	H	H	H	ⁱ Pr	H	F	F	OH
XXIII-27-2	p-F-Ph	H	H	CH ₃	ⁱ Pr	H	F	F	OH
XXIII-27-3	p-F-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-27-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-27-5	p-F-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	F	OH
XXIII-27-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	F	OH
XXIII-27-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH
XXIII-27-8	p-F-Ph	*	H	*	ⁱ Pr	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-28.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-28-1	p-Cl-Ph	H	H	H	ⁱ Pr	H	F	F	OH
XXIII-28-2	p-Cl-Ph	H	H	CH ₃	ⁱ Pr	H	F	F	OH
XXIII-28-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-28-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-28-5	p-Cl-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	F	OH
XXIII-28-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	F	OH
XXIII-28-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH
XXIII-28-8	p-Cl-Ph	*	H	*	ⁱ Pr	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-29.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-29-1	p-Br-Ph	H	H	H	ⁱ Pr	H	F	F	OH
XXIII-29-2	p-Br-Ph	H	H	CH ₃	ⁱ Pr	H	F	F	OH
XXIII-29-3	p-Br-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-29-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-29-5	p-Br-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	F	OH
XXIII-29-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	F	OH
XXIII-29-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH
XXIII-29-8	p-Br-Ph	*	H	*	ⁱ Pr	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-30.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-30-1	p-I-Ph	H	H	H	ⁱ Pr	H	F	F	OH
XXIII-30-2	p-I-Ph	H	H	CH ₃	ⁱ Pr	H	F	F	OH
XXIII-30-3	p-I-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-30-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	F	F	OH
XXIII-30-5	p-I-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	F	F	OH
XXIII-30-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	F	F	OH
XXIII-30-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	F	F	OH
XXIII-30-8	p-I-Ph	*	H	*	ⁱ Pr	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-31.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-31-1	CH ₃	H	H	H	ⁿ Bu	H	F	F	OH
XXIII-31-2	CH ₃	H	H	CH ₃	ⁿ Bu	H	F	F	OH
XXIII-31-3	CH ₃	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-31-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-31-5	CH ₃	H	H	CH ₂ Ph	ⁿ Bu	H	F	F	OH
XXIII-31-6	CH ₃	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	F	OH
XXIII-31-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH
XXIII-31-8	CH ₃	*	H	*	ⁿ Bu	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-32.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-32-1	Et	H	H	H	ⁿ Bu	H	F	F	OH
XXIII-32-2	Et	H	H	CH ₃	ⁿ Bu	H	F	F	OH
XXIII-32-3	Et	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-32-4	Et	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-32-5	Et	H	H	CH ₂ Ph	ⁿ Bu	H	F	F	OH
XXIII-32-6	Et	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	F	OH
XXIII-32-7	Et	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH
XXIII-32-8	Et	*	H	*	ⁿ Bu	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-33.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-33-1	ⁱ Pr	H	H	H	ⁿ Bu	H	F	F	OH
XXIII-33-2	ⁱ Pr	H	H	CH ₃	ⁿ Bu	H	F	F	OH
XXIII-33-3	ⁱ Pr	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-33-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-33-5	ⁱ Pr	H	H	CH ₂ Ph	ⁿ Bu	H	F	F	OH
XXIII-33-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	F	OH
XXIII-33-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH
XXIII-33-8	ⁱ Pr	*	H	*	ⁿ Bu	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-34.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-34-1	^t Bu	H	H	H	ⁿ Bu	H	F	F	OH
XXIII-34-2	^t Bu	H	H	CH ₃	ⁿ Bu	H	F	F	OH
XXIII-34-3	^t Bu	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-34-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-34-5	^t Bu	H	H	CH ₂ Ph	ⁿ Bu	H	F	F	OH
XXIII-34-6	^t Bu	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	F	OH
XXIII-34-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH
XXIII-34-8	^t Bu	*	H	*	ⁿ Bu	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-35.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-35-1	Ph	H	H	H	ⁿ Bu	H	F	F	OH
XXIII-35-2	Ph	H	H	CH ₃	ⁿ Bu	H	F	F	OH
XXIII-35-3	Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-35-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-35-5	Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	F	OH
XXIII-35-6	Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	F	OH
XXIII-35-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH
XXIII-35-8	Ph	*	H	*	ⁿ Bu	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-36.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-36-1	p-Me-Ph	H	H	H	ⁿ Bu	H	F	F	OH
XXIII-36-2	p-Me-Ph	H	H	CH ₃	ⁿ Bu	H	F	F	OH
XXIII-36-3	p-Me-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-36-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-36-5	p-Me-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	F	OH
XXIII-36-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	F	OH
XXIII-36-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH
XXIII-36-8	p-Me-Ph	*	H	*	ⁿ Bu	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-37.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-37-1	p-F-Ph	H	H	H	ⁿ Bu	H	F	F	OH
XXIII-37-2	p-F-Ph	H	H	CH ₃	ⁿ Bu	H	F	F	OH
XXIII-37-3	p-F-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-37-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-37-5	p-F-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	F	OH
XXIII-37-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	F	OH
XXIII-37-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH
XXIII-37-8	p-F-Ph	*	H	*	ⁿ Bu	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-38.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-38-1	p-Cl-Ph	H	H	H	ⁿ Bu	H	F	F	OH
XXIII-38-2	p-Cl-Ph	H	H	CH ₃	ⁿ Bu	H	F	F	OH
XXIII-38-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-38-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-38-5	p-Cl-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	F	OH
XXIII-38-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	F	OH
XXIII-38-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH
XXIII-38-8	p-Cl-Ph	*	H	*	ⁿ Bu	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-39.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-39-1	p-Br-Ph	H	H	H	ⁿ Bu	H	F	F	OH
XXIII-39-2	p-Br-Ph	H	H	CH ₃	ⁿ Bu	H	F	F	OH
XXIII-39-3	p-Br-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-39-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-39-5	p-Br-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	F	OH
XXIII-39-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	F	OH
XXIII-39-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH
XXIII-39-8	p-Br-Ph	*	H	*	ⁿ Bu	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-40.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-40-1	p-I-Ph	H	H	H	ⁿ Bu	H	F	F	OH
XXIII-40-2	p-I-Ph	H	H	CH ₃	ⁿ Bu	H	F	F	OH
XXIII-40-3	p-I-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-40-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	F	F	OH
XXIII-40-5	p-I-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	F	F	OH
XXIII-40-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	F	F	OH
XXIII-40-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	F	F	OH
XXIII-40-8	p-I-Ph	*	H	*	ⁿ Bu	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIII-41.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-41-1	CH ₃	H	H	H	Bz	H	F	F	OH
XXIII-41-2	CH ₃	H	H	CH ₃	Bz	H	F	F	OH
XXIII-41-3	CH ₃	H	H	CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-41-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-41-5	CH ₃	H	H	CH ₂ Ph	Bz	H	F	F	OH
XXIII-41-6	CH ₃	H	H	CH ₂ -indol-3-yl	Bz	H	F	F	OH
XXIII-41-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	F	OH
XXIII-41-8	CH ₃	*	H	*	Bz	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-42.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-42-1	Et	H	H	H	Bz	H	F	F	OH
XXIII-42-2	Et	H	H	CH ₃	Bz	H	F	F	OH
XXIII-42-3	Et	H	H	CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-42-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-42-5	Et	H	H	CH ₂ Ph	Bz	H	F	F	OH
XXIII-42-6	Et	H	H	CH ₂ -indol-3-yl	Bz	H	F	F	OH
XXIII-42-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	F	OH
XXIII-42-8	Et	*	H	*	Bz	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-43.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-43-1	ⁱ Pr	H	H	H	Bz	H	F	F	OH
XXIII-43-2	ⁱ Pr	H	H	CH ₃	Bz	H	F	F	OH
XXIII-43-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-43-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-43-5	ⁱ Pr	H	H	CH ₂ Ph	Bz	H	F	F	OH
XXIII-43-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Bz	H	F	F	OH
XXIII-43-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	F	OH
XXIII-43-8	ⁱ Pr	*	H	*	Bz	H	F	F	OH

10 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-44.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-44-1	^t Bu	H	H	H	Bz	H	F	F	OH
XXIII-44-2	^t Bu	H	H	CH ₃	Bz	H	F	F	OH
XXIII-44-3	^t Bu	H	H	CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-44-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-44-5	^t Bu	H	H	CH ₂ Ph	Bz	H	F	F	OH
XXIII-44-6	^t Bu	H	H	CH ₂ -indol-3-yl	Bz	H	F	F	OH
XXIII-44-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	F	OH
XXIII-44-8	^t Bu	*	H	*	Bz	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-45.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-45-1	Ph	H	H	H	Bz	H	F	F	OH
XXIII-45-2	Ph	H	H	CH ₃	Bz	H	F	F	OH
XXIII-45-3	Ph	H	H	CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-45-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-45-5	Ph	H	H	CH ₂ Ph	Bz	H	F	F	OH
XXIII-45-6	Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	F	OH
XXIII-45-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	F	OH
XXIII-45-8	Ph	*	H	*	Bz	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-46.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-46-1	p-Me-Ph	H	H	H	Bz	H	F	F	OH
XXIII-46-2	p-Me-Ph	H	H	CH ₃	Bz	H	F	F	OH
XXIII-46-3	p-Me-Ph	H	H	CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-46-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-46-5	p-Me-Ph	H	H	CH ₂ Ph	Bz	H	F	F	OH
XXIII-46-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	F	OH
XXIII-46-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	F	OH
XXIII-46-8	p-Me-Ph	*	H	*	Bz	H	F	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-47.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-47-1	p-F-Ph	H	H	H	Bz	H	F	F	OH
XXIII-47-2	p-F-Ph	H	H	CH ₃	Bz	H	F	F	OH
XXIII-47-3	p-F-Ph	H	H	CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-47-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-47-5	p-F-Ph	H	H	CH ₂ Ph	Bz	H	F	F	OH
XXIII-47-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	F	OH
XXIII-47-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-47-8	p-F-Ph	*	H	*	Bz	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-48.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-48-1	p-Cl-Ph	H	H	H	Bz	H	F	F	OH
XXIII-48-2	p-Cl-Ph	H	H	CH ₃	Bz	H	F	F	OH
XXIII-48-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-48-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-48-5	p-Cl-Ph	H	H	CH ₂ Ph	Bz	H	F	F	OH
XXIII-48-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	F	OH
XXIII-48-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	F	OH
XXIII-48-8	p-Cl-Ph	*	H	*	Bz	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-49.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-49-1	p-Br-Ph	H	H	H	Bz	H	F	F	OH
XXIII-49-2	p-Br-Ph	H	H	CH ₃	Bz	H	F	F	OH
XXIII-49-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-49-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	H	F	F	OH
XXIII-49-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	F	OH
XXIII-49-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	F	OH
XXIII-49-8	p-Br-Ph	*	H	*	Bz	H	F	F	OH

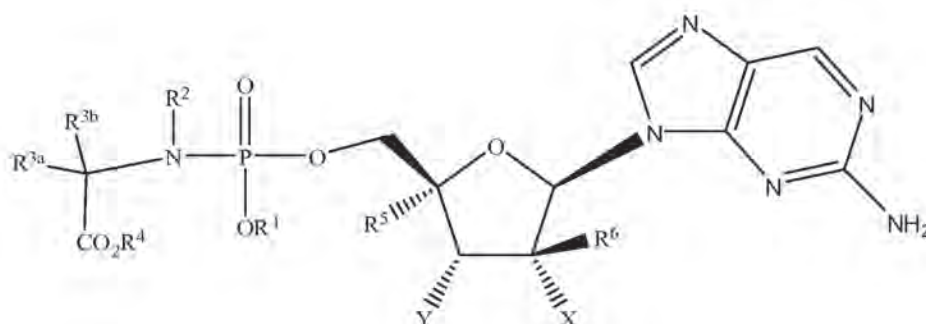
5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIII-50.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-50-1	p-I-Ph	H	H	H	Bz	H	F	F	OH
XXIII-50-2	p-I-Ph	H	H	CH ₃	Bz	H	F	F	OH
XXIII-50-3	p-I-Ph	H	H	CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-50-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	F	F	OH
XXIII-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	H	F	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIII-50-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	F	F	OH
XXIII-50-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	F	F	OH
XXIII-50-8	p-I-Ph	*	H	*	Bz	H	F	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

**XXIV**

5

Table XXIV-1.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-1-1	CH ₃	H	H	H	CH ₃	H	H	F	OH
XXIV-1-2	CH ₃	H	H	CH ₃	CH ₃	H	H	F	OH
XXIV-1-3	CH ₃	H	H	CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-1-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-1-5	CH ₃	H	H	CH ₂ Ph	CH ₃	H	H	F	OH
XXIV-1-6	CH ₃	H	H	CH ₂ -indol-3-yl	CH ₃	H	H	F	OH
XXIV-1-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH
XXIV-1-8	CH ₃	*	H	*	CH ₃	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-2.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-2-1	Et	H	H	H	CH ₃	H	H	F	OH
XXIV-2-2	Et	H	H	CH ₃	CH ₃	H	H	F	OH
XXIV-2-3	Et	H	H	CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-2-4	Et	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-2-5	Et	H	H	CH ₂ Ph	CH ₃	H	H	F	OH
XXIV-2-6	Et	H	H	CH ₂ -indol-3-yl	CH ₃	H	H	F	OH
XXIV-2-7	Et	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH
XXIV-2-8	Et	*	H	*	CH ₃	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-3.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-3-1	<i>i</i> Pr	H	H	H	CH ₃	H	H	F	OH
XXIV-3-2	<i>i</i> Pr	H	H	CH ₃	CH ₃	H	H	F	OH
XXIV-3-3	<i>i</i> Pr	H	H	CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-3-4	<i>i</i> Pr	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-3-5	<i>i</i> Pr	H	H	CH ₂ Ph	CH ₃	H	H	F	OH
XXIV-3-6	<i>i</i> Pr	H	H	CH ₂ -indol-3-yl	CH ₃	H	H	F	OH
XXIV-3-7	<i>i</i> Pr	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH
XXIV-3-8	<i>i</i> Pr	*	H	*	CH ₃	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-4.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-4-1	<i>t</i> Bu	H	H	H	CH ₃	H	H	F	OH
XXIV-4-2	<i>t</i> Bu	H	H	CH ₃	CH ₃	H	H	F	OH
XXIV-4-3	<i>t</i> Bu	H	H	CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-4-4	<i>t</i> Bu	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-4-5	<i>t</i> Bu	H	H	CH ₂ Ph	CH ₃	H	H	F	OH
XXIV-4-6	<i>t</i> Bu	H	H	CH ₂ -indol-3-yl	CH ₃	H	H	F	OH
XXIV-4-7	<i>t</i> Bu	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH
XXIV-4-8	<i>t</i> Bu	*	H	*	CH ₃	H	H	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-5.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-5-1	Ph	H	H	H	CH ₃	H	H	F	OH
XXIV-5-2	Ph	H	H	CH ₃	CH ₃	H	H	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-5-3	Ph	H	H	CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-5-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-5-5	Ph	H	H	CH ₂ Ph	CH ₃	H	H	F	OH
XXIV-5-6	Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	H	F	OH
XXIV-5-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH
XXIV-5-8	Ph	*	H	*	CH ₃	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-6.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-6-1	p-Me-Ph	H	H	H	CH ₃	H	H	F	OH
XXIV-6-2	p-Me-Ph	H	H	CH ₃	CH ₃	H	H	F	OH
XXIV-6-3	p-Me-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-6-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-6-5	p-Me-Ph	H	H	CH ₂ Ph	CH ₃	H	H	F	OH
XXIV-6-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	H	F	OH
XXIV-6-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH
XXIV-6-8	p-Me-Ph	*	H	*	CH ₃	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-7.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-7-1	p-F-Ph	H	H	H	CH ₃	H	H	F	OH
XXIV-7-2	p-F-Ph	H	H	CH ₃	CH ₃	H	H	F	OH
XXIV-7-3	p-F-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-7-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-7-6	p-F-Ph	H	H	CH ₂ Ph	CH ₃	H	H	F	OH
XXIV-7-7	p-F-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	H	F	OH
XXIV-7-8	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH
XXIV-7-20	p-F-Ph	*	H	*	CH ₃	H	H	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-8.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
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No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-8-1	p-Cl-Ph	H	H	H	CH ₃	H	H	F	OH
XXIV-8-2	p-Cl-Ph	H	H	CH ₃	CH ₃	H	H	F	OH
XXIV-8-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-8-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-8-5	p-Cl-Ph	H	H	CH ₂ Ph	CH ₃	H	H	F	OH
XXIV-8-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	H	F	OH
XXIV-8-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH
XXIV-8-8	p-Cl-Ph	*	H	*	CH ₃	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-9.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-9-1	p-Br-Ph	H	H	H	CH ₃	H	H	F	OH
XXIV-9-2	p-Br-Ph	H	H	CH ₃	CH ₃	H	H	F	OH
XXIV-9-3	p-Br-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-9-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-9-6	p-Br-Ph	H	H	CH ₂ Ph	CH ₃	H	H	F	OH
XXIV-9-7	p-Br-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	H	F	OH
XXIV-9-8	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH
XXIV-9-20	p-Br-Ph	*	H	*	CH ₃	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-10.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-10-1	p-I-Ph	H	H	H	CH ₃	H	H	F	OH
XXIV-10-2	p-I-Ph	H	H	CH ₃	CH ₃	H	H	F	OH
XXIV-10-3	p-I-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-10-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	H	F	OH
XXIV-10-5	p-I-Ph	H	H	CH ₂ Ph	CH ₃	H	H	F	OH
XXIV-10-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	H	F	OH
XXIV-10-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	H	F	OH
XXIV-10-8	p-I-Ph	*	H	*	CH ₃	H	H	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-11.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-11-1	CH ₃	H	H	H	Et	H	H	F	OH
XXIV-11-2	CH ₃	H	H	CH ₃	Et	H	H	F	OH
XXIV-11-3	CH ₃	H	H	CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-11-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-11-5	CH ₃	H	H	CH ₂ Ph	Et	H	H	F	OH
XXIV-11-6	CH ₃	H	H	CH ₂ -indol-3-yl	Et	H	H	F	OH
XXIV-11-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Et	H	H	F	OH
XXIV-11-8	CH ₃	*	H	*	Et	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-12.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-12-1	Et	H	H	H	Et	H	H	F	OH
XXIV-12-2	Et	H	H	CH ₃	Et	H	H	F	OH
XXIV-12-3	Et	H	H	CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-12-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-12-5	Et	H	H	CH ₂ Ph	Et	H	H	F	OH
XXIV-12-6	Et	H	H	CH ₂ -indol-3-yl	Et	H	H	F	OH
XXIV-12-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Et	H	H	F	OH
XXIV-12-8	Et	*	H	*	Et	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIV-13.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-13-1	ⁱ Pr	H	H	H	Et	H	H	F	OH
XXIV-13-2	ⁱ Pr	H	H	CH ₃	Et	H	H	F	OH
XXIV-13-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-13-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-13-5	ⁱ Pr	H	H	CH ₂ Ph	Et	H	H	F	OH
XXIV-13-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Et	H	H	F	OH
XXIV-13-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Et	H	H	F	OH
XXIV-13-8	ⁱ Pr	*	H	*	Et	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-14.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-14-1	^t Bu	H	H	H	Et	H	H	F	OH
XXIV-14-2	^t Bu	H	H	CH ₃	Et	H	H	F	OH
XXIV-14-3	^t Bu	H	H	CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-14-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-14-5	^t Bu	H	H	CH ₂ Ph	Et	H	H	F	OH
XXIV-14-6	^t Bu	H	H	CH ₂ -indol-3-yl	Et	H	H	F	OH
XXIV-14-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	Et	H	H	F	OH
XXIV-14-8	^t Bu	*	H	*	Et	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-15.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-15-1	Ph	H	H	H	Et	H	H	F	OH
XXIV-15-2	Ph	H	H	CH ₃	Et	H	H	F	OH
XXIV-15-3	Ph	H	H	CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-15-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-15-5	Ph	H	H	CH ₂ Ph	Et	H	H	F	OH
XXIV-15-6	Ph	H	H	CH ₂ -indol-3-yl	Et	H	H	F	OH
XXIV-15-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	H	F	OH
XXIV-15-8	Ph	*	H	*	Et	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIV-16.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-16-1	p-Me-Ph	H	H	H	Et	H	H	F	OH
XXIV-16-2	p-Me-Ph	H	H	CH ₃	Et	H	H	F	OH
XXIV-16-3	p-Me-Ph	H	H	CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-16-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-16-5	p-Me-Ph	H	H	CH ₂ Ph	Et	H	H	F	OH
XXIV-16-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	Et	H	H	F	OH
XXIV-16-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	H	F	OH
XXIV-16-8	p-Me-Ph	*	H	*	Et	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-17.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-17-1	p-F-Ph	H	H	H	Et	H	H	F	OH
XXIV-17-2	p-F-Ph	H	H	CH ₃	Et	H	H	F	OH
XXIV-17-3	p-F-Ph	H	H	CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-17-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-17-5	p-F-Ph	H	H	CH ₂ Ph	Et	H	H	F	OH
XXIV-17-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Et	H	H	F	OH
XXIV-17-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	H	F	OH
XXIV-17-8	p-F-Ph	*	H	*	Et	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-18.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-18-1	p-Cl-Ph	H	H	H	Et	H	H	F	OH
XXIV-18-2	p-Cl-Ph	H	H	CH ₃	Et	H	H	F	OH
XXIV-18-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-18-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-18-5	p-Cl-Ph	H	H	CH ₂ Ph	Et	H	H	F	OH
XXIV-18-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Et	H	H	F	OH
XXIV-18-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	H	F	OH
XXIV-18-8	p-Cl-Ph	*	H	*	Et	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIV-19.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-19-1	p-Br-Ph	H	H	H	Et	H	H	F	OH
XXIV-19-2	p-Br-Ph	H	H	CH ₃	Et	H	H	F	OH
XXIV-19-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-19-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-19-5	p-Br-Ph	H	H	CH ₂ Ph	Et	H	H	F	OH
XXIV-19-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Et	H	H	F	OH
XXIV-19-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	H	F	OH
XXIV-19-8	p-Br-Ph	*	H	*	Et	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-20.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-20-1	p-I-Ph	H	H	H	Et	H	H	F	OH
XXIV-20-2	p-I-Ph	H	H	CH ₃	Et	H	H	F	OH
XXIV-20-3	p-I-Ph	H	H	CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-20-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	H	F	OH
XXIV-20-5	p-I-Ph	H	H	CH ₂ Ph	Et	H	H	F	OH
XXIV-20-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Et	H	H	F	OH
XXIV-20-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	H	F	OH
XXIV-20-8	p-I-Ph	*	H	*	Et	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-21.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-21-1	CH ₃	H	H	H	ⁱ Pr	H	H	F	OH
XXIV-21-2	CH ₃	H	H	CH ₃	ⁱ Pr	H	H	F	OH
XXIV-21-3	CH ₃	H	H	CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-21-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-21-5	CH ₃	H	H	CH ₂ Ph	ⁱ Pr	H	H	F	OH
XXIV-21-6	CH ₃	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	H	F	OH
XXIV-21-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH
XXIV-21-8	CH ₃	*	H	*	ⁱ Pr	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIV-22.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-22-1	Et	H	H	H	ⁱ Pr	H	H	F	OH
XXIV-22-2	Et	H	H	CH ₃	ⁱ Pr	H	H	F	OH
XXIV-22-3	Et	H	H	CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-22-4	Et	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-22-5	Et	H	H	CH ₂ Ph	ⁱ Pr	H	H	F	OH
XXIV-22-6	Et	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	H	F	OH
XXIV-22-7	Et	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH
XXIV-22-8	Et	*	H	*	ⁱ Pr	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-23.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-23-1	ⁱ Pr	H	H	H	ⁱ Pr	H	H	F	OH
XXIV-23-2	ⁱ Pr	H	H	CH ₃	ⁱ Pr	H	H	F	OH
XXIV-23-3	ⁱ Pr	H	H	CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-23-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-23-5	ⁱ Pr	H	H	CH ₂ Ph	ⁱ Pr	H	H	F	OH
XXIV-23-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	H	F	OH
XXIV-23-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH
XXIV-23-8	ⁱ Pr	*	H	*	ⁱ Pr	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-24.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-24-1	^t Bu	H	H	H	ⁱ Pr	H	H	F	OH
XXIV-24-2	^t Bu	H	H	CH ₃	ⁱ Pr	H	H	F	OH
XXIV-24-3	^t Bu	H	H	CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-24-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-24-5	^t Bu	H	H	CH ₂ Ph	ⁱ Pr	H	H	F	OH
XXIV-24-6	^t Bu	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	H	F	OH
XXIV-24-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH
XXIV-24-8	^t Bu	*	H	*	ⁱ Pr	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIV-25.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-25-1	Ph	H	H	H	ⁱ Pr	H	H	F	OH
XXIV-25-2	Ph	H	H	CH ₃	ⁱ Pr	H	H	F	OH
XXIV-25-3	Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-25-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-25-5	Ph	H	H	CH ₂ Ph	ⁱ Pr	H	H	F	OH
XXIV-25-6	Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	H	F	OH
XXIV-25-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH
XXIV-25-8	Ph	*	H	*	ⁱ Pr	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-26.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-26-1	p-Me-Ph	H	H	H	ⁱ Pr	H	H	F	OH
XXIV-26-2	p-Me-Ph	H	H	CH ₃	ⁱ Pr	H	H	F	OH
XXIV-26-3	p-Me-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-26-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-26-5	p-Me-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	H	F	OH
XXIV-26-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	H	F	OH
XXIV-26-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH
XXIV-26-8	p-Me-Ph	*	H	*	ⁱ Pr	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-27.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-27-1	p-F-Ph	H	H	H	ⁱ Pr	H	H	F	OH
XXIV-27-2	p-F-Ph	H	H	CH ₃	ⁱ Pr	H	H	F	OH
XXIV-27-3	p-F-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-27-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-27-5	p-F-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	H	F	OH
XXIV-27-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	H	F	OH
XXIV-27-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH
XXIV-27-8	p-F-Ph	*	H	*	ⁱ Pr	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIV-28.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-28-1	p-Cl-Ph	H	H	H	ⁱ Pr	H	H	F	OH
XXIV-28-2	p-Cl-Ph	H	H	CH ₃	ⁱ Pr	H	H	F	OH
XXIV-28-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-28-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-28-5	p-Cl-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	H	F	OH
XXIV-28-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	H	F	OH
XXIV-28-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH
XXIV-28-8	p-Cl-Ph	*	H	*	ⁱ Pr	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-29.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-29-1	p-Br-Ph	H	H	H	ⁱ Pr	H	H	F	OH
XXIV-29-2	p-Br-Ph	H	H	CH ₃	ⁱ Pr	H	H	F	OH
XXIV-29-3	p-Br-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-29-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-29-5	p-Br-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	H	F	OH
XXIV-29-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	H	F	OH
XXIV-29-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH
XXIV-29-8	p-Br-Ph	*	H	*	ⁱ Pr	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-30.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-30-1	p-I-Ph	H	H	H	ⁱ Pr	H	H	F	OH
XXIV-30-2	p-I-Ph	H	H	CH ₃	ⁱ Pr	H	H	F	OH
XXIV-30-3	p-I-Ph	H	H	CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-30-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁱ Pr	H	H	F	OH
XXIV-30-5	p-I-Ph	H	H	CH ₂ Ph	ⁱ Pr	H	H	F	OH
XXIV-30-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	ⁱ Pr	H	H	F	OH
XXIV-30-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁱ Pr	H	H	F	OH
XXIV-30-8	p-I-Ph	*	H	*	ⁱ Pr	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIV-31.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-31-1	CH ₃	H	H	H	ⁿ Bu	H	H	F	OH
XXIV-31-2	CH ₃	H	H	CH ₃	ⁿ Bu	H	H	F	OH
XXIV-31-3	CH ₃	H	H	CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-31-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-31-5	CH ₃	H	H	CH ₂ Ph	ⁿ Bu	H	H	F	OH
XXIV-31-6	CH ₃	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	H	F	OH
XXIV-31-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH
XXIV-31-8	CH ₃	*	H	*	ⁿ Bu	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-32.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-32-1	Et	H	H	H	ⁿ Bu	H	H	F	OH
XXIV-32-2	Et	H	H	CH ₃	ⁿ Bu	H	H	F	OH
XXIV-32-3	Et	H	H	CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-32-4	Et	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-32-5	Et	H	H	CH ₂ Ph	ⁿ Bu	H	H	F	OH
XXIV-32-6	Et	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	H	F	OH
XXIV-32-7	Et	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH
XXIV-32-8	Et	*	H	*	ⁿ Bu	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-33.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-33-1	ⁱ Pr	H	H	H	ⁿ Bu	H	H	F	OH
XXIV-33-2	ⁱ Pr	H	H	CH ₃	ⁿ Bu	H	H	F	OH
XXIV-33-3	ⁱ Pr	H	H	CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-33-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-33-5	ⁱ Pr	H	H	CH ₂ Ph	ⁿ Bu	H	H	F	OH
XXIV-33-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	H	F	OH
XXIV-33-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH
XXIV-33-8	ⁱ Pr	*	H	*	ⁿ Bu	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIV-34.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-34-1	^t Bu	H	H	H	ⁿ Bu	H	H	F	OH
XXIV-34-2	^t Bu	H	H	CH ₃	ⁿ Bu	H	H	F	OH
XXIV-34-3	^t Bu	H	H	CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-34-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-34-5	^t Bu	H	H	CH ₂ Ph	ⁿ Bu	H	H	F	OH
XXIV-34-6	^t Bu	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	H	F	OH
XXIV-34-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH
XXIV-34-8	^t Bu	*	H	*	ⁿ Bu	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-35.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-35-1	Ph	H	H	H	ⁿ Bu	H	H	F	OH
XXIV-35-2	Ph	H	H	CH ₃	ⁿ Bu	H	H	F	OH
XXIV-35-3	Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-35-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-35-5	Ph	H	H	CH ₂ Ph	ⁿ Bu	H	H	F	OH
XXIV-35-6	Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	H	F	OH
XXIV-35-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH
XXIV-35-8	Ph	*	H	*	ⁿ Bu	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-36.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-36-1	p-Me-Ph	H	H	H	ⁿ Bu	H	H	F	OH
XXIV-36-2	p-Me-Ph	H	H	CH ₃	ⁿ Bu	H	H	F	OH
XXIV-36-3	p-Me-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-36-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-36-5	p-Me-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	H	F	OH
XXIV-36-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	H	F	OH
XXIV-36-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH
XXIV-36-8	p-Me-Ph	*	H	*	ⁿ Bu	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIV-37.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-37-1	p-F-Ph	H	H	H	ⁿ Bu	H	H	F	OH
XXIV-37-2	p-F-Ph	H	H	CH ₃	ⁿ Bu	H	H	F	OH
XXIV-37-3	p-F-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-37-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-37-5	p-F-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	H	F	OH
XXIV-37-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	H	F	OH
XXIV-37-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH
XXIV-37-8	p-F-Ph	*	H	*	ⁿ Bu	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-38.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-38-1	p-Cl-Ph	H	H	H	ⁿ Bu	H	H	F	OH
XXIV-38-2	p-Cl-Ph	H	H	CH ₃	ⁿ Bu	H	H	F	OH
XXIV-38-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-38-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-38-5	p-Cl-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	H	F	OH
XXIV-38-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	H	F	OH
XXIV-38-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH
XXIV-38-8	p-Cl-Ph	*	H	*	ⁿ Bu	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-39.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-39-1	p-Br-Ph	H	H	H	ⁿ Bu	H	H	F	OH
XXIV-39-2	p-Br-Ph	H	H	CH ₃	ⁿ Bu	H	H	F	OH
XXIV-39-3	p-Br-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-39-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-39-5	p-Br-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	H	F	OH
XXIV-39-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	H	F	OH
XXIV-39-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH
XXIV-39-8	p-Br-Ph	*	H	*	ⁿ Bu	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIV-40.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-40-1	p-I-Ph	H	H	H	ⁿ Bu	H	H	F	OH
XXIV-40-2	p-I-Ph	H	H	CH ₃	ⁿ Bu	H	H	F	OH
XXIV-40-3	p-I-Ph	H	H	CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-40-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	ⁿ Bu	H	H	F	OH
XXIV-40-5	p-I-Ph	H	H	CH ₂ Ph	ⁿ Bu	H	H	F	OH
XXIV-40-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	ⁿ Bu	H	H	F	OH
XXIV-40-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	ⁿ Bu	H	H	F	OH
XXIV-40-8	p-I-Ph	*	H	*	ⁿ Bu	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-41.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-41-1	CH ₃	H	H	H	Bz	H	H	F	OH
XXIV-41-2	CH ₃	H	H	CH ₃	Bz	H	H	F	OH
XXIV-41-3	CH ₃	H	H	CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-41-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-41-5	CH ₃	H	H	CH ₂ Ph	Bz	H	H	F	OH
XXIV-41-6	CH ₃	H	H	CH ₂ -indol-3-yl	Bz	H	H	F	OH
XXIV-41-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	H	F	OH
XXIV-41-8	CH ₃	*	H	*	Bz	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-42.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-42-1	Et	H	H	H	Bz	H	H	F	OH
XXIV-42-2	Et	H	H	CH ₃	Bz	H	H	F	OH
XXIV-42-3	Et	H	H	CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-42-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-42-5	Et	H	H	CH ₂ Ph	Bz	H	H	F	OH
XXIV-42-6	Et	H	H	CH ₂ -indol-3-yl	Bz	H	H	F	OH
XXIV-42-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	H	F	OH
XXIV-42-8	Et	*	H	*	Bz	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXIV-43.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-43-1	ⁱ Pr	H	H	H	Bz	H	H	F	OH
XXIV-43-2	ⁱ Pr	H	H	CH ₃	Bz	H	H	F	OH
XXIV-43-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-43-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-43-5	ⁱ Pr	H	H	CH ₂ Ph	Bz	H	H	F	OH
XXIV-43-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Bz	H	H	F	OH
XXIV-43-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	H	F	OH
XXIV-43-8	ⁱ Pr	*	H	*	Bz	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-44.

N _o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-44-1	^t Bu	H	H	H	Bz	H	H	F	OH
XXIV-44-2	^t Bu	H	H	CH ₃	Bz	H	H	F	OH
XXIV-44-3	^t Bu	H	H	CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-44-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-44-5	^t Bu	H	H	CH ₂ Ph	Bz	H	H	F	OH
XXIV-44-6	^t Bu	H	H	CH ₂ -indol-3-yl	Bz	H	H	F	OH
XXIV-44-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	H	F	OH
XXIV-44-8	^t Bu	*	H	*	Bz	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-45.

N _o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-45-1	Ph	H	H	H	Bz	H	H	F	OH
XXIV-45-2	Ph	H	H	CH ₃	Bz	H	H	F	OH
XXIV-45-3	Ph	H	H	CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-45-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-45-5	Ph	H	H	CH ₂ Ph	Bz	H	H	F	OH
XXIV-45-6	Ph	H	H	CH ₂ -indol-3-yl	Bz	H	H	F	OH
XXIV-45-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	H	F	OH
XXIV-45-8	Ph	*	H	*	Bz	H	H	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-46.

N _o	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-46-1	p-Me-Ph	H	H	H	Bz	H	H	F	OH
XXIV-46-2	p-Me-Ph	H	H	CH ₃	Bz	H	H	F	OH
XXIV-46-3	p-Me-Ph	H	H	CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-46-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-46-5	p-Me-Ph	H	H	CH ₂ Ph	Bz	H	H	F	OH
XXIV-46-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	H	F	OH
XXIV-46-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	H	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-46-8	p-Me-Ph	*	H	*	Bz	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-47.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-47-1	p-F-Ph	H	H	H	Bz	H	H	F	OH
XXIV-47-2	p-F-Ph	H	H	CH ₃	Bz	H	H	F	OH
XXIV-47-3	p-F-Ph	H	H	CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-47-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-47-5	p-F-Ph	H	H	CH ₂ Ph	Bz	H	H	F	OH
XXIV-47-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	H	F	OH
XXIV-47-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	H	F	OH
XXIV-47-8	p-F-Ph	*	H	*	Bz	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-48.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-48-1	p-Cl-Ph	H	H	H	Bz	H	H	F	OH
XXIV-48-2	p-Cl-Ph	H	H	CH ₃	Bz	H	H	F	OH
XXIV-48-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-48-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-48-5	p-Cl-Ph	H	H	CH ₂ Ph	Bz	H	H	F	OH
XXIV-48-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	H	F	OH
XXIV-48-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	H	F	OH
XXIV-48-8	p-Cl-Ph	*	H	*	Bz	H	H	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-49.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-49-1	p-Br-Ph	H	H	H	Bz	H	H	F	OH
XXIV-49-2	p-Br-Ph	H	H	CH ₃	Bz	H	H	F	OH
XXIV-49-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-49-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-49-5	p-Br-Ph	H	H	CH ₂ Ph	Bz	H	H	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-49-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	H	F	OH
XXIV-49-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	H	F	OH
XXIV-49-8	p-Br-Ph	*	H	*	Bz	H	H	F	OH

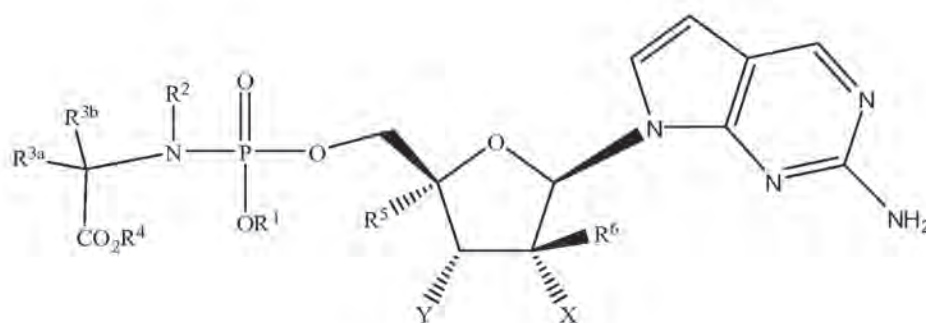
*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXIV-50.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXIV-50-1	p-I-Ph	H	H	H	Bz	H	H	F	OH
XXIV-50-2	p-I-Ph	H	H	CH ₃	Bz	H	H	F	OH
XXIV-50-3	p-I-Ph	H	H	CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-50-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Bz	H	H	F	OH
XXIV-50-5	p-I-Ph	H	H	CH ₂ Ph	Bz	H	H	F	OH
XXIV-50-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Bz	H	H	F	OH
XXIV-50-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Bz	H	H	F	OH
XXIV-50-8	p-I-Ph	*	H	*	Bz	H	H	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5



XXV

Table XXV-1.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-1-1	CH ₃	H	H	H	CH ₃	H	CH ₃	F	OH
XXV-1-2	CH ₃	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXV-1-3	CH ₃	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-1-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-1-5	CH ₃	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXV-1-6	CH ₃	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXV-1-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXV-1-8	CH ₃	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-2.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-2-1	Et	H	H	H	CH ₃	H	CH ₃	F	OH
XXV-2-2	Et	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXV-2-3	Et	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-2-4	Et	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-2-5	Et	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXV-2-6	Et	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXV-2-7	Et	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXV-2-8	Et	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-3.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-3-1	ⁱ Pr	H	H	H	CH ₃	H	CH ₃	F	OH
XXV-3-2	ⁱ Pr	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXV-3-3	ⁱ Pr	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-3-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-3-5	ⁱ Pr	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXV-3-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXV-3-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXV-3-8	ⁱ Pr	*	H	*	CH ₃	H	CH ₃	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-4.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-4-1	^t Bu	H	H	H	CH ₃	H	CH ₃	F	OH

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-4-2	^t Bu	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXV-4-3	^t Bu	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-4-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-4-5	^t Bu	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXV-4-6	^t Bu	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXV-4-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXV-4-8	^t Bu	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-5.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-5-1	Ph	H	H	H	CH ₃	H	CH ₃	F	OH
XXV-5-2	Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXV-5-3	Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-5-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-5-5	Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXV-5-6	Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXV-5-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXV-5-8	Ph	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-6.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-6-1	p-Me-Ph	H	H	H	CH ₃	H	CH ₃	F	OH
XXV-6-2	p-Me-Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXV-6-3	p-Me-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-6-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-6-5	p-Me-Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXV-6-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXV-6-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXV-6-8	p-Me-Ph	*	H	*	CH ₃	H	CH ₃	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-7.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-7-1	p-F-Ph	H	H	H	CH ₃	H	CH ₃	F	OH
XXV-7-2	p-F-Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXV-7-3	p-F-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-7-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-7-6	p-F-Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXV-7-7	p-F-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXV-7-8	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXV-7-20	p-F-Ph	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-8.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-8-1	p-Cl-Ph	H	H	H	CH ₃	H	CH ₃	F	OH
XXV-8-2	p-Cl-Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXV-8-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-8-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-8-5	p-Cl-Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXV-8-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXV-8-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXV-8-8	p-Cl-Ph	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-9.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-9-1	p-Br-Ph	H	H	H	CH ₃	H	CH ₃	F	OH
XXV-9-2	p-Br-Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXV-9-3	p-Br-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-9-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-9-6	p-Br-Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXV-9-7	p-Br-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXV-9-8	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXV-9-20	p-Br-Ph	*	H	*	CH ₃	H	CH ₃	F	OH

5 *R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-10.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-10-1	p-I-Ph	H	H	H	CH ₃	H	CH ₃	F	OH
XXV-10-2	p-I-Ph	H	H	CH ₃	CH ₃	H	CH ₃	F	OH
XXV-10-3	p-I-Ph	H	H	CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-10-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	CH ₃	H	CH ₃	F	OH
XXV-10-5	p-I-Ph	H	H	CH ₂ Ph	CH ₃	H	CH ₃	F	OH
XXV-10-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	CH ₃	H	CH ₃	F	OH
XXV-10-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	CH ₃	H	CH ₃	F	OH
XXV-10-8	p-I-Ph	*	H	*	CH ₃	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-11.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-11-1	CH ₃	H	H	H	Et	H	CH ₃	F	OH
XXV-11-2	CH ₃	H	H	CH ₃	Et	H	CH ₃	F	OH
XXV-11-3	CH ₃	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-11-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-11-5	CH ₃	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXV-11-6	CH ₃	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXV-11-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXV-11-8	CH ₃	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXV-12.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-12-1	Et	H	H	H	Et	H	CH ₃	F	OH
XXV-12-2	Et	H	H	CH ₃	Et	H	CH ₃	F	OH
XXV-12-3	Et	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-12-4	Et	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-12-5	Et	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXV-12-6	Et	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXV-12-7	Et	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXV-12-8	Et	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-13.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-13-1	ⁱ Pr	H	H	H	Et	H	CH ₃	F	OH
XXV-13-2	ⁱ Pr	H	H	CH ₃	Et	H	CH ₃	F	OH
XXV-13-3	ⁱ Pr	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-13-4	ⁱ Pr	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-13-5	ⁱ Pr	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXV-13-6	ⁱ Pr	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXV-13-7	ⁱ Pr	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXV-13-8	ⁱ Pr	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-14.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-14-1	^t Bu	H	H	H	Et	H	CH ₃	F	OH
XXV-14-2	^t Bu	H	H	CH ₃	Et	H	CH ₃	F	OH
XXV-14-3	^t Bu	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-14-4	^t Bu	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-14-5	^t Bu	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXV-14-6	^t Bu	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXV-14-7	^t Bu	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXV-14-8	^t Bu	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXV-15.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-15-1	Ph	H	H	H	Et	H	CH ₃	F	OH
XXV-15-2	Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXV-15-3	Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-15-4	Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-15-5	Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXV-15-6	Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXV-15-7	Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXV-15-8	Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-16.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-16-1	p-Me-Ph	H	H	H	Et	H	CH ₃	F	OH
XXV-16-2	p-Me-Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXV-16-3	p-Me-Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-16-4	p-Me-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-16-5	p-Me-Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXV-16-6	p-Me-Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXV-16-7	p-Me-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXV-16-8	p-Me-Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-17.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-17-1	p-F-Ph	H	H	H	Et	H	CH ₃	F	OH
XXV-17-2	p-F-Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXV-17-3	p-F-Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-17-4	p-F-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-17-5	p-F-Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXV-17-6	p-F-Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXV-17-7	p-F-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXV-17-8	p-F-Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXV-18.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-18-1	p-Cl-Ph	H	H	H	Et	H	CH ₃	F	OH
XXV-18-2	p-Cl-Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXV-18-3	p-Cl-Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-18-4	p-Cl-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-18-5	p-Cl-Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXV-18-6	p-Cl-Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXV-18-7	p-Cl-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXV-18-8	p-Cl-Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-19.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-19-1	p-Br-Ph	H	H	H	Et	H	CH ₃	F	OH
XXV-19-2	p-Br-Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXV-19-3	p-Br-Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-19-4	p-Br-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-19-5	p-Br-Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXV-19-6	p-Br-Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXV-19-7	p-Br-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXV-19-8	p-Br-Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

Table XXV-20.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-20-1	p-I-Ph	H	H	H	Et	H	CH ₃	F	OH
XXV-20-2	p-I-Ph	H	H	CH ₃	Et	H	CH ₃	F	OH
XXV-20-3	p-I-Ph	H	H	CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-20-4	p-I-Ph	H	H	CH ₂ CH(CH ₃) ₂	Et	H	CH ₃	F	OH
XXV-20-5	p-I-Ph	H	H	CH ₂ Ph	Et	H	CH ₃	F	OH
XXV-20-6	p-I-Ph	H	H	CH ₂ -indol-3-yl	Et	H	CH ₃	F	OH
XXV-20-7	p-I-Ph	H	H	CH ₂ CH ₂ SCH ₃	Et	H	CH ₃	F	OH
XXV-20-8	p-I-Ph	*	H	*	Et	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.

5 Table XXV-21.

No	R ¹	R ²	R ^{3a}	R ^{3b}	R ⁴	R ⁵	R ⁶	X	Y
XXV-21-1	CH ₃	H	H	H	^t Pr	H	CH ₃	F	OH
XXV-21-2	CH ₃	H	H	CH ₃	^t Pr	H	CH ₃	F	OH
XXV-21-3	CH ₃	H	H	CH(CH ₃) ₂	^t Pr	H	CH ₃	F	OH
XXV-21-4	CH ₃	H	H	CH ₂ CH(CH ₃) ₂	^t Pr	H	CH ₃	F	OH
XXV-21-5	CH ₃	H	H	CH ₂ Ph	^t Pr	H	CH ₃	F	OH
XXV-21-6	CH ₃	H	H	CH ₂ -indol-3-yl	^t Pr	H	CH ₃	F	OH
XXV-21-7	CH ₃	H	H	CH ₂ CH ₂ SCH ₃	^t Pr	H	CH ₃	F	OH
XXV-21-8	CH ₃	*	H	*	^t Pr	H	CH ₃	F	OH

*R² and R^{3b} joined together by (CH₂)₃ to form five-membered ring.