

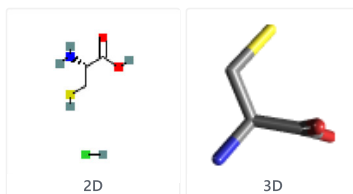
COMPOUND SUMMARY

L-Cysteine hydrochloride

PubChem CID

60960

Structure

[Find Similar Structures](#)

Chemical Safety



Irritant

[Laboratory Chemical Safety Summary \(LCSS\) Datasheet](#)

Molecular Formula

 $C_3H_8ClNO_2S$

Synonyms

L-Cysteine hydrochloride
52-89-1
L-Cysteine.HCl
L-Cysteine hydrochloride anhydrous
L-Cysteine, hydrochloride

[More...](#)

Molecular Weight

157.62

Parent Compound



CID 5862 (Cysteine)

Component Compounds



CID 5862 (Cysteine)



CID 313 (Hydrochloric Acid)

Dates

Modify Create
2022-11-26 2005-07-19

L-cysteine hydrochloride is a hydrochloride obtained by combining [L-cysteine](#) with one molar equivalent of [hydrogen chloride](#). It has a role as an EC 4.3.1.3 ([histidine ammonia-lyase](#)) inhibitor, a flour treatment agent and a human metabolite. It contains a [L-cysteinium](#).

[► ChEBI](#)

A thiol-containing non-essential amino acid that is oxidized to form CYSTINE.

[► Medical Subject Headings \(MeSH\)](#)

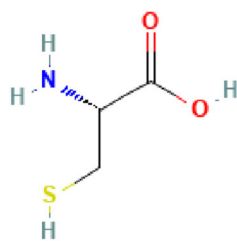
1 Structures



1.1 2D Structure



Chemical Structure
Depiction



► PubChem

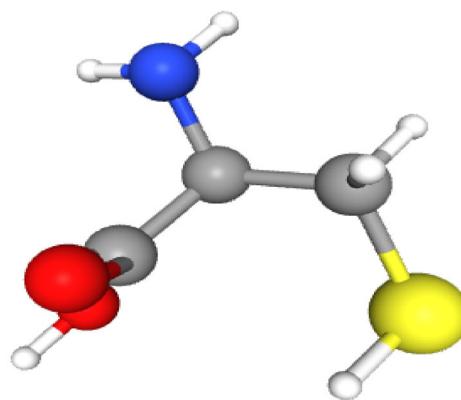
1.2 3D Conformer



3D Conformer of Parent

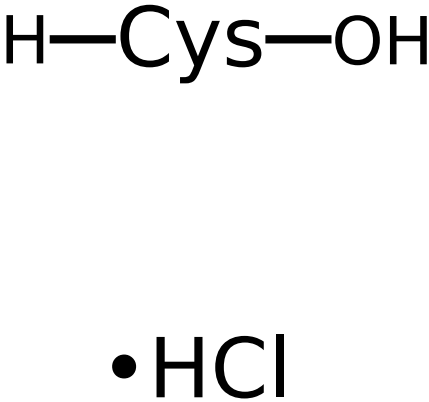
Interactive Chemical
Structure Model of Parent
CID 5862

- ☒ Ball and Stick
- ☐ Sticks
- ☐ Wire-Frame
- ☐ Space-Filling
- ☒ Show Hydrogens
- ☐ Animate



► PubChem

2 Biologic Description



SVG Image

IUPAC Condensed	H-Cys-OH.HCl
Sequence	C
IUPAC	L-cysteine hydrochloride

 [PubChem](#)

3 Names and Identifiers

3.1 Computed Descriptors

3.1.1 IUPAC Name

(2R)-2-amino-3-sulfanylpropanoic acid;hydrochloride

Computed by Lexichem TK 2.7.0 (PubChem release 2021.05.07)

PubChem

3.1.2 InChI

InChI=1S/C3H7NO2S.ClH/c4-2(1-7)3(5)6;/h2,7H,1,4H2,(H,5,6);1H/t2-;/m0./s1

Computed by InChI 1.0.6 (PubChem release 2021.05.07)

PubChem

3.1.3 InChIKey

IFQSNXNOEEFPCSLW-DKWTVANSSA-N

Computed by InChI 1.0.6 (PubChem release 2021.05.07)

PubChem

3.1.4 Canonical SMILES

CC(C(=O)O)N)S.Cl

Computed by OEChem 2.3.0 (PubChem release 2021.05.07)

PubChem

3.1.5 Isomeric SMILES

C([C@@H](C(=O)O)N)S.Cl

Computed by OEChem 2.3.0 (PubChem release 2021.05.07)

PubChem

3.2 Molecular Formula

C3H8CINO2S

Computed by PubChem 2.1 (PubChem release 2021.05.07)

PubChem

3.3 Other Identifiers

3.3.1 CAS

52-89-1

CAS Common Chemistry; ChemIDplus; EPA Chemicals under the TSCA; EPA DSSTox; European Chemicals Agency (ECHA); FDA Global Substance Registration System (GSRS)

3.3.2 Deprecated CAS

122641-75-2, 122882-13-7, 124558-06-1, 29844-56-2, 2583545-87-1

ChemIDplus

https://pubchem.ncbi.nlm.nih.gov/compound/L-Cysteine-hydrochloride

122641-75-2, 122882-13-7, 124558-06-1

EPA DSSTox

3.3.3 European Community (EC) Number

200-157-7

European Chemicals Agency (ECHA)

3.3.4 UNII

A9U1687S1S

FDA Global Substance Registration System (GSRS)

3.3.5 DSSTox Substance ID

DTXSID0020367

EPA DSSTox

3.3.6 Wikidata

Q27163158

Wikidata

3.3.7 NCI Thesaurus Code

C77372

NCI Thesaurus (NCIt)

3.3.8 RXCUI

221086

NLM RxNorm Terminology

3.4 Synonyms

3.4.1 MeSH Entry Terms

Cysteine
Cysteine Hydrochloride
Half Cystine
Half-Cystine
L Cysteine
L-Cysteine
L-Cysteine
Zinc Cysteinate

Medical Subject Headings (MeSH)

3.4.2 Depositor-Supplied Synonyms

L-Cysteine hydrochloride
L-Cysteine, HCl
L-Cysteine monohydrochloride
3-Mercaptoalanine hydrochloride
UNII-A9U1687S1S
A13-18781
S

L-Cysteine.HCl	Cysteine HCl	L-Cysteine hydrochloride, anhydrous	MFCD00064553	L
L-Cysteine hydrochloride anhydrous	Cystein chloride	EK 2367	cysteine-hydrochloride	L
L-Cysteine, hydrochloride	Cysteine HCl (anhydrous)	Cysteine (as hydrochloride)	L-cysteinium chloride	C
L-CYSTEINE HCl anhydrous	Cysteine hydrochloride (anhydrous)	CCRIS 3613	H-Cys-OH?Cl	C
(R)-Cysteine hydrochloride	Cysteine, L-, hydrochloride	Cysteine, L-, monohydrochloride	l-cysteine chlorhydrate	C
(R)-2-Amino-3-mercaptopropanoic acid hydrochloride	Cysteine hydrochloride anhydrous	NSC-755898	DSSTox_CID_367	F
l-cysteine hcl	H-Cys-OH.HCl	NSC 8746	L-Cysteine hydro-chloride	T
L-(+)-Cysteine hydrochloride	L-Cysteine, hydrochloride (1:1)	EINECS 200-157-7	L-Cysteine hydrochloride;	s

PubChem

4 Chemical and Physical Properties



4.1 Computed Properties



Property Name	Property Value	Reference
Molecular Weight	157.62	Computed by PubChem 2.1 (PubChem release 2021.05.07)
Hydrogen Bond Donor Count	4	Computed by Cactvs 3.4.8.18 (PubChem release 2021.05.07)
Hydrogen Bond Acceptor Count	4	Computed by Cactvs 3.4.8.18 (PubChem release 2021.05.07)
Rotatable Bond Count	2	Computed by Cactvs 3.4.8.18 (PubChem release 2021.05.07)
Exact Mass	156.9964274	Computed by PubChem 2.1 (PubChem release 2021.05.07)
Monoisotopic Mass	156.9964274	Computed by PubChem 2.1 (PubChem release 2021.05.07)
Topological Polar Surface Area	64.3 Å²	Computed by Cactvs 3.4.8.18 (PubChem release 2021.05.07)
Heavy Atom Count	8	Computed by PubChem
Formal Charge	0	Computed by PubChem
Complexity	75.3	Computed by Cactvs 3.4.8.18 (PubChem release 2021.05.07)
Isotope Atom Count	0	Computed by PubChem
Defined Atom Stereocenter Count	1	Computed by PubChem
Undefined Atom Stereocenter Count	0	Computed by PubChem
Defined Bond Stereocenter Count	0	Computed by PubChem
Undefined Bond Stereocenter Count	0	Computed by PubChem
Covalently-Bonded Unit Count	2	Computed by PubChem
Compound Is Canonicalized	Yes	Computed by PubChem (release 2021.05.07)

PubChem

4.2 Experimental Properties



4.2.1 Physical Description



Hygroscopic solid; [Merck Index] White powder with an irritating odor; Hygroscopic; [Alfa Aesar MSDS]

Haz-Map, Information on Hazardous Chemicals and Occupational Diseases

4.2.2 Chemical Classes



Biological Agents - > Amino Acids and Derivatives

Haz-Map, Information on Hazardous Chemicals and Occupational Diseases

5 Related Records

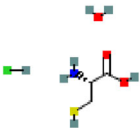
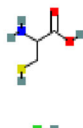
5.1 Related Compounds with Annotation

199 items

View More Rows & Details 

SORT BY

Compound CID

Structure	Compound CID	Name	Molecular Formula	Molecular Weight, g/mol
	594	DL-Cysteine	C ₃ H ₇ NO ₂ S	121.16
	778	DL-Homocysteine	C ₄ H ₉ NO ₂ S	135.19
	5862	Cysteine	C ₃ H ₇ NO ₂ S	121.16
	23462	L-Cysteine hydrochloride monohydrate	C ₃ H ₁₀ ClNO ₃ S	175.64
	25150	Cysteine hydrochloride	C ₃ H ₈ ClNO ₂ S	157.62

1

2

3

...

40

Next >

 PubChem

5.2 Parent Compound

 CID 5862 (Cysteine)

 PubChem

5.3 Component Compounds

 CID 5862 (Cysteine)

-

CID 313 (Hydrochloric Acid)

▶ PubChem

5.4 Related Compounds

?

↗

Same Connectivity	3 Records
Same Parent, Connectivity	359 Records
Same Parent, Stereo	180 Records
Same Parent, Isotope	309 Records
Same Parent, Exact	147 Records
Mixtures, Components, and Neutralized Forms	2 Records
Similar Compounds	199 Records

▶ PubChem

5.5 Substances

?

↗

5.5.1 Related Substances

?

↗

Same	120 Records
------	-------------

▶ PubChem

5.5.2 Substances by Category

?

↗

7 Categories Expanded View ↗

- ▶ Chemical Vendors (59)
- ▶ Curation Efforts (9)
- ▶ Governmental Organizations (7)
- ▶ Journal Publishers (4)
- ▶ NIH Initiatives (1)
- ▶ Research And Development (9)
- ▶ Subscription Services (2)
- ▶ Legacy Depositors (40)

▶ PubChem

6 Chemical Vendors



Showing 1 Substance per Vendor View All

Achemo Scientific Limited	PubChem SID: 254810964	Purchasable Chemical: AC-27296
Activate Scientific	PubChem SID: 340551367	Purchasable Chemical: AS34397
VWR, Part of Avantor	PubChem SID: 402318453	Purchasable Chemical: BT137715-100G
abcr GmbH	PubChem SID: 316430703	Purchasable Chemical: AB173084
MolPort	PubChem SID: 91692635	Purchasable Chemical: MolPort-003-929-586
Alchem Scientific Corp., USA	PubChem SID: 252305983	Purchasable Chemical: AE1-006506
Sintoo Biotech	PubChem SID: 404823393	Purchasable Chemical: S044864
Chem-Space.com Database	PubChem SID: 434511224	Purchasable Chemical: CSSB00000733908
Ambeed	PubChem SID: 376145261	Purchasable Chemical: A295232
labseeker	PubChem SID: 251888260	Purchasable Chemical: SC-09429
OCHEM	PubChem SID: 341832262	Purchasable Chemical: 2093
AstaTech, Inc.	PubChem SID: 458794812	Purchasable Chemical: E72644
Lan Pharmatech	PubChem SID: 463990376	Purchasable Chemical: LAN-B86118 (URL not provided...)
Sigma-Aldrich	PubChem SID: 329753437	Purchasable Chemical: 30120_SIGMA
Achemtek	PubChem SID: 381368113	Purchasable Chemical: 0104-011044
Key Organics/BIONET	PubChem SID: 354266120	Purchasable Chemical: AS-11682
Amadis Chemical	PubChem SID: 131317519	Purchasable Chemical: A829298
Hangzhou APiChem Technology	PubChem SID: 92711993	Purchasable Chemical: AC-12796 (URL not provided...)
Chemenu Inc.	PubChem SID: 354292775	Purchasable Chemical: CM119309
Akos Consulting & Solutions	PubChem SID: 151988644	Purchasable Chemical: AKOS015849225
Wilshire Technologies	PubChem SID: 340135625	Purchasable Chemical: L-Cysteine Hydrochloride (anhydrous)

A2B ChemPubChem SID: [443830677](#)Purchasable Chemical: [AB46369](#)**BOC Sciences**PubChem SID: [254778614](#)Purchasable Chemical: [52-89-1](#)**AbaChemScene**PubChem SID: [374001047](#)Purchasable Chemical: [CS-W018517](#)**CymitQuimica**PubChem SID: [470636080](#)Purchasable Chemical: [CQ_52-89-1](#)**CSNpharm**PubChem SID: [384653720](#)Purchasable Chemical: [CSN23828](#)**LabNetwork, a WuXi AppTec Company**PubChem SID: [346682928](#)Purchasable Chemical: [LN00173748](#)**TCI (Tokyo Chemical Industry)**PubChem SID: [87565634](#)Purchasable Chemical: [C0517](#)**Biosynth**PubChem SID: [332874508](#)Purchasable Chemical: [J-019666](#)**Matrix Scientific**PubChem SID: [406653557](#)Purchasable Chemical: [075781](#)**eNovation Chemicals**PubChem SID: [441394363](#)Purchasable Chemical: [Y1043354](#)**BenchChem**PubChem SID: [446364987](#)Purchasable Chemical: [B147689](#)**Starshine Chemical**PubChem SID: [464491903](#)Purchasable Chemical: [starbld0707652](#) (*URL not provided...*)**Combi-Blocks**PubChem SID: [374034229](#)Purchasable Chemical: [QA-5416](#)**Selleck Chemicals**PubChem SID: [404639134](#)Purchasable Chemical: [S4815](#)**VladaChem**PubChem SID: [329732826](#)Purchasable Chemical: [VL141606](#)**Yuhao Chemical**PubChem SID: [318239190](#)Purchasable Chemical: [JZ0515](#)**Acadechem**PubChem SID: [321932122](#)Purchasable Chemical: [ACDS-060521](#)**Aaron Chemicals LLC**PubChem SID: [406514821](#)Purchasable Chemical: [AR0035SD](#)**3B Scientific (Wuhan) Corp**PubChem SID: [375157983](#)Purchasable Chemical: [3B3-024300](#)**MuseChem**PubChem SID: [355175554](#)Purchasable Chemical: [R071047](#)**Alichem**PubChem SID: [378044350](#)Purchasable Chemical: [471003245](#)**Hairui Chemical**PubChem SID: [375685427](#)Purchasable Chemical: [HR136316](#)**BLD Pharm**

PubChem SID: 375441217	Purchasable Chemical: BD33943
Oakwood Products	
PubChem SID: 152213884	Purchasable Chemical: 093727
Yick-Vic Chemicals & Pharmaceuticals (HK) Ltd.	
PubChem SID: 441081277	Purchasable Chemical: SPI-0082C (URL not provided...)
AA BLOCKS	
PubChem SID: 374168936	Purchasable Chemical: AA00350L
RR Scientific	
PubChem SID: 472456694	Purchasable Chemical: R000179
Alfa Chemistry	
PubChem SID: 445523565	Purchasable Chemical: ACM52891
MedChemexpress MCE	
PubChem SID: 385326066	Purchasable Chemical: HY-Y0337A
J&H Chemical Co.,Ltd	
PubChem SID: 468978737	Purchasable Chemical: JH693050

► [PubChem](#)

7 Drug and Medication Information



7.1 FDA Orange Book

4 items View More Details

Trade Name	Marketing Status	Application Number	Applicant
CYSTEINE HYDROCHLORIDE	Discontinued	N019523	HOSPIRA INC
CYSTEINE HYDROCHLORIDE	Discontinued	A214082	DR REDDYS LABORATORIES SA
ELCVS	Prescription	N210660	EXELA PHARMA SCIENCES LLC
NOURSS	Discontinued	N212535	BAXTER HEALTHCARE CORP

FDA Orange Book

7.2 FDA National Drug Code Directory



2 items View More Details

Product NDC	Start Marketing Date	Dosage Form	Strength	Labeler
0338-9645	2022-04-29	INJECTION	34.5 mg/mL	Baxter Healthcare Corporation
51754-1007	2019-05-28	INJECTION, SOLUTION	10 mg/mL	Exela Pharma Sciences, LLC

National Drug Code (NDC) Directory

CYSTEINE HYDROCHLORIDE is an active ingredient in 7 products including: 'CYSTEINE HYDROCHLORIDE', 'FREAMINE III', and 'PREMASOL - SULFITE-FREE (AMINO ACID)';

National Drug Code (NDC) Directory

7.3 Drug Labels for Ingredients



Label Information	Total 10 labels
Drug Ingredient	CYSTEINE HYDROCHLORIDE
NDC Code(s)	0264-1915-07, 0264-1933-10, 0264-9010-55, 0264-9011-55, 0264-9341-55, 0264-9361-55, 0264-9371-55, 0338-1130-03, 0338-1130-04, 0338-1130-06, 0338-1131-03, 0338-9645-01, 17089-075-20, 51754-1007-1, 51754-1007-3, 76014-006-05, 76014-006-33
Packagers	Avadel Legacy Pharmaceuticals, LLC; B. Braun Medical Inc.; Baxter Healthcare Corporation; Exela Pharma Sciences, LLC; Guna spa

DailyMed

7.4 Clinical Trials



7.4.1 ClinicalTrials.gov

2 items View More Details

CTID	Title	Phase	Status	Date
NCT00004831	Study of Cysteine Hydrochloride for Erythropoietic Protoporphyria	N/A	Completed	2015-03-25
NCT00004940	Phase III Study of L-Cysteine in Patients With Erythropoietic Protoporphyria	Phase 3	Completed	2015-03-25

SORT BY

Date



► [ClinicalTrials.gov](https://clinicaltrials.gov)

8 Food Additives and Ingredients



8.1 Food Additive Classes



Flavoring Agents

EU Food Improvement Agents

8.2 FDA Substances Added to Food



Substance	L-CYSTEINE MONOHYDROCHLORIDE
Used for (Technical Effect)	NUTRIENT SUPPLEMENT
Document Number (21 CFR)	172.320 184.1272

FDA Center for Food Safety and Applied Nutrition (CFSAN)

9 Use and Manufacturing

9.1 Uses

EPA CPDat Chemical and Product Categories

12 items View More

Category		Category Description	Category Type
antioxidant		antioxidant	OECD Functional Use
antioxidant		antioxidant	Reported Functional Use
flavouring		flavouring	Reported Functional Use
hair conditioning		hair conditioning	Reported Functional Use
hair conditioning agent		hair conditioning agent	Reported Functional Use
		12 items	Next >

The Chemical and Products Database, a resource for exposure-relevant data on chemicals in consumer products, Scientific Data, volume 5, Article number: 180125 (2018), DOI:10.1038/sdata.2018.125

EPA Chemical and Products Database (CPDat)

Sources/Uses

Cysteine is a non-essential amino acid that has been used as a dough conditioner and veterinary detoxicant; [Merck Index] Used as a flavoring agent, dough strengtheningener, nutritional supplement, flour treating agent, and leavening agent for foods; [FDA]

Merck Index - O'Neil MJ, Heckelman PE, Dobbelaar PH, Roman KJ (eds). The Merck Index, An Encyclopedia of Chemicals, Drugs, and Biologicals, 15th Ed. Cambridge, UK: The Royal Society of Chemistry, 2013.

Haz-Map, Information on Hazardous Chemicals and Occupational Diseases

9.1.1 Use Classification

Food additives - > -> Flavoring Agents

EU Food Improvement Agents

Human Drugs -> FDA Approved Drug Products with Therapeutic Equivalence Evaluations (Orange Book) -> Active Ingredients

FDA Orange Book

Cosmetics -> Antioxidant; Reducing

S13 | EUCOSMETICS | Combined Inventory of Ingredients Employed in Cosmetic Products (2000) and Revised Inventory (2006) | DOI:10.5281/zenodo.2624118

NORMAN Suspect List Exchange

9.1.2 Household Products

Household & Commercial/Institutional Products

Information on 1 consumer products that contain Cysteine Hcl in the following categories is provided:

Personal Care

Consumer Product Information Database (CPID)

9.2 General Manufacturing Information

EPA TSCA Commercial Activity Status

L-Cysteine, hydrochloride (1:1): ACTIVE

https://pubchem.ncbi.nlm.nih.gov/compound/L-Cysteine-hydrochloride

<https://www.epa.gov/tsca-inventory>

► EPA Chemicals under the TSCA

10 Safety and Hazards

10.1 Hazards Identification

10.1.1 GHS Classification

	Pictogram(s)
Signal <u>Warning</u>	
GHS Hazard Statements H319 (98.36%): Causes serious eye irritation <u>[Warning]</u> Serious eye damage/eye irritation] H335 (11.85%): May cause respiratory irritation <u>[Warning]</u> Specific target organ toxicity, single exposure; Respiratory tract irritation]	
Precautionary Statement Codes P261, P264+P265, P271, P280, P304+P340, P305+P351+P338, P319, P337+P317, P403+P233, P405, and P501 (The corresponding statement to each P-code can be found at the GHS Classification page.)	
ECHA C&L Notifications Summary Aggregated GHS information provided by 1567 companies from 21 notifications to the ECHA C&L Inventory. Each notification may be associated with multiple companies. Reported as not meeting GHS hazard criteria by 39 of 1567 companies. For more detailed information, please visit ECHA C&L website . Of the 20 notification(s) provided by 1528 of 1567 companies with hazard statement code(s): Information may vary between notifications depending on impurities, additives, and other factors. The percentage value in parentheses indicates the notified classification ratio from companies that provide hazard codes. Only hazard codes with percentage values above 10% are shown.	

European Chemicals Agency (ECHA)

10.1.2 Hazard Classes and Categories

Eye Irrit. 2 (98.36%)
STOT SE 3 (1.85%)

European Chemicals Agency (ECHA)

10.1.3 Hazards Summary

Causes other changes of the liver, kidney, and bladder and effects on lipids in 12-week oral studies of rats; [RTECS] A skin and strong eye irritant; [Alfa Aesar MSDS] See [Cysteine](#).

Haz-Map, Information on Hazardous Chemicals and Occupational Diseases

11 Toxicity

?

↗

11.1 Toxicological Information

?

↗

11.1.1 Acute Effects

?

↗

3 items

View More Details

↗

Organism	Test Type	Route	Dose	Effect	Reference
mouse	LD50	intraperitoneal	1250 mg/kg		National Technical Information Service., AD691-490
mouse	LD50	intravenous	771 mg/kg		Japanese Journal of Antibiotics., 38(137), 1985 [PMID:3157807]
mouse	LD50	unreported	3 gm/kg		British Journal of Cancer., 6(160), 1952 [PMID:14954086]

▶

ChemIDplus

12 Literature



12.1 NLM Curated PubMed Citations



► PubChem

12.2 Springer Nature References



► Springer Nature

12.3 Thieme References



► Thieme Chemistry

12.4 Wiley References



► Wiley

12.5 Chemical Co-Occurrences in Literature



► PubChem

12.6 Chemical-Gene Co-Occurrences in Literature



[▶ PubChem](#)

12.7 Chemical-Disease Co-Occurrences in Literature

[▶ PubChem](#)

13 Patents



13.1 Depositor-Supplied Patent Identifiers

- ▶ PubChem
- ▶ PubChem
- Link to all deposited patent identifiers

13.2 WIPO PATENTSCOPE



Patents are available for this chemical structure:

<https://patentscope.wipo.int/search/en/result.jsf?inchikey=IFQ5XN0EEPCSLW-DKWTVANSSA-N>

▶ PATENTSCOPE (WIPO)

13.3 FDA Orange Book Patents



Showing 3 of 12 [View More](#)

Patent	10478453	Jan 15, 2039	Applicant	EXELA PHARMA	Drug Application	N210660 (Prescription Drug: ELCYS . Ingredients: CYSTEINE HYDROCHLORIDE)
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▶ FDA Orange Book

Patent	10493051	Mar 15, 2039	Applicant	BAXTER HLTHCARE CORP	Drug Application	N212535 (Prescription Drug: NOURESS . Ingredients: CYSTEINE HYDROCHLORIDE)
--------	----------	--------------	-----------	----------------------	------------------	---

▶ FDA Orange Book

Patent	10543186	Mar 15, 2039	Applicant	BAXTER HLTHCARE CORP	Drug Application	N212535 (Prescription Drug: NOURESS . Ingredients: CYSTEINE HYDROCHLORIDE)
--------	----------	--------------	-----------	----------------------	------------------	---

► [FDA Orange Book](#)

14 Biological Test Results



14.1 BioAssay Results



► PubChem

15 Classification



15.1 MeSH Tree



Medical Subject Headings (MeSH)

15.2 NCI Thesaurus Tree



NCI Thesaurus (NCIt)

15.3 ChEBI Ontology



◀ ChEBI

15.4 ChemIDplus



▶ ChemIDplus

15.5 UN GHS Classification



▶ UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

15.6 EPA CPDat Classification



► EPA Chemical and Products Database (CPDat)

15.7 NORMAN Suspect List Exchange Classification



► NORMAN Suspect List Exchange

15.8 EPA DSSTox Classification



► EPA DSSTox

15.9 Consumer Product Information Database Classification



► Consumer Product Information Database (CPID)

15.10 FDA Drug Type and Pharmacologic Classification



► National Drug Code (NDC) Directory

16 Information Sources



FILTER BY SOURCE

ALL SOURCES



1. CAS Common Chemistry

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<https://creativecommons.org/licenses/by-nc/4.0/>

L-(+)-Cysteine hydrochloride

https://commonchemistry.cas.org/detail?cas_rn=52-89-1

2. ChemIDplus

LICENSE

<https://www.nlm.nih.gov/copyright.html>

Cysteine hydrochloride (anhydrous)

<https://chem.nlm.nih.gov/chemidplus/sid/0000052891>

ChemIDplus Chemical Information Classification

<https://chem.nlm.nih.gov/chemidplus/>

3. EPA Chemicals under the TSCA

LICENSE

<https://www.epa.gov/privacy/privacy-act-laws-policies-and-resources>

L-Cysteine, hydrochloride (1:1)

<https://www.epa.gov/chemicals-under-tsca>

4. EPA DSSTox

LICENSE

<https://www.epa.gov/privacy/privacy-act-laws-policies-and-resources>

L-Cysteine hydrochloride

<https://comptox.epa.gov/dashboard/DTXSID0020367>

CompTox Chemicals Dashboard Chemical Lists

<https://comptox.epa.gov/dashboard/chemical-lists/>

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<https://gsrs.ncats.nih.gov/ginas/app/beta/substances/A9U1687S1S>

7. ChEBI

L-cysteine hydrochloride

<http://www.ebi.ac.uk/chebi/searchId.do?chebiId=ChEBI:91247>

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<http://www.ebi.ac.uk/chebi/userManualForward.do#ChEBI%20Ontology>

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<https://www.whatsinproducts.com/contents/view/1/6>

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<https://www.whatsinproducts.com/chemicals/view/1/4316/000052-89-1>

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L-CYSTEINE MONOHYDROCHLORIDE

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GHS Classification Tree

http://www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html

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