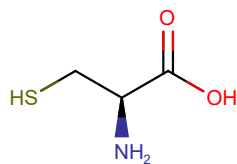


## Description

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

## Structure



3D

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Similar Structures

## Synonyms

(2R)-2-amino-3-mercaptopropanoic acid

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

(R)-2-Amino-3-mercaptopropanoic acid

Cisteina 

Cisteinum 

Cys

Cysteine

Cysteinum 

Free Cysteine

L-2-Amino-3-mercaptopropionic acid

L-Cys

L-Cystein 

L-Zystein 

## External IDs



E 920 / E-920 / E920 / FEMA NO. 3263 / NSC-8746

## Product Ingredients

INGREDIENT	UNII	CAS	INCHI KEY
<a href="#">Cysteine hydrochloride</a>	<a href="#">ZT934N0X4W</a>	7048-04-6	QIJRTFXNRT

## Prescription Products

Show  entries

NAME	DOSAGE	STRENGTH	ROUTE	LABELLER
 <b>Cysteine Hydrochloride</b>	Injection, solution	0.5 g/10mL	Intravenous	Hospira, Inc.
 <b>Elcys</b>	Injection, solution	10 mg/1mL	Intravenous	Exela Pharma LLC

## Mixture Products

Show 10 entries

NAME	INGREDIENTS	DOSAGE	ROUTE	LABELLER	MAR
+ <b>8.5% Freamine III</b>	Cysteine (13.9 mg) + <a href="#">Alanine</a> (600 mg) + <a href="#">Arginine</a> (810 mg) + <a href="#">Glycine</a> (1.19 g) + <a href="#">Histidine</a> (240 mg) + <a href="#">Isoleucine</a> (590 mg) + <a href="#">L-Lysine</a> (620 mg) + <a href="#">Leucine</a> (770 mg) + <a href="#">Phenylalanine</a> (480 mg) + <a href="#">Proline</a> (950 mg) + <a href="#">Racemethionine</a> (450 mg) + <a href="#">Serine</a> (500 mg) + <a href="#">Threonine</a> (340 mg) + <a href="#">Tryptophan</a> (130 mg) + <a href="#">Valine</a> (560 mg)	Liquid	Intravenous	B. Braun Medical Inc.	1999
+ <b>Aminoderm Poudre</b>	Cysteine (2 mg) + <a href="#">Glycine</a> (10 mg) + <a href="#">Neomycin sulfate</a> (5 mg) + <a href="#">Threonine</a> (1 mg)	Powder	Topical	Desbergers LtÉE, Division Of Technilab Inc.	1968

		<a href="#">Phenylalanine</a> (100 mg/100mL) + <a href="#">Proline</a> (800 mg/100mL) + <a href="#">Serine</a> (500 mg/100mL) + <a href="#">Threonine</a> (450 mg/100mL) + <a href="#">Tryptophan</a> (66 mg/100mL) + <a href="#">Valine</a> (840 mg/100mL)				
<b>+ Cicatrin Powder</b>		Cysteine (2 mg) + <a href="#">Bacitracin zinc</a> (250 unit) + <a href="#">Glycine</a> (10 mg) + <a href="#">Neomycin sulfate</a> (3300 unit) + <a href="#">Threonine</a> (1 mg)	Powder	Topical	Glaxosmithkline Inc	1987
<b>+ Distilpure Msm</b>		Cysteine (0.02 g/100g) + <a href="#">Biotin</a> (0.02 g/100g) + <a href="#">Cystine</a> (0.05 g/100g) + <a href="#">Methionine</a> (0.02 g/100g) + <a href="#">Thiamine chloride</a> (0.02 g/100g)	Powder	Topical	Mbg Inc (Korea Institute of Science Development)	2017

+ [Phenylalanine](#) (0.32 g/100mL)  
 + [Proline](#) (0.63 g/100mL) +  
[Serine](#) (0.33 g/100mL) +  
[Threonine](#) (0.2 g/100mL) +  
[Tryptophan](#) (0.09 g/100mL)  
 + [Valine](#) (0.88 g/100mL)

+ **FreAmine III**

[Cysteine hydrochloride](#) (0.016 g/100mL) +  
[Alanine](#) (0.71 g/100mL) +  
[Arginine](#) (0.95 g/100mL) +  
[Glycine](#) (1.4 g/100mL) +  
[Histidine](#) (0.28 g/100mL) +  
[Isoleucine](#) (0.69 g/100mL) + [L-Lysine acetate](#) (0.73 g/100mL)  
 + [Leucine](#) (0.91 g/100mL) +  
[Methionine](#) (0.53 g/100mL)  
 + [Phenylalanine](#) (0.56 g/100mL)  
 + [Phosphoric acid](#) (0.12 g/100mL) +  
[Proline](#) (1.12 g/100mL) +  
[Serine](#) (0.59 g/100mL) +  
[Threonine](#) (0.4 g/100mL) +  
[Tryptophan](#) (0.15 g/100mL)  
 + [Valine](#) (0.66 g/100mL)

Injection, solution

Intravenous

B. Braun Medical Inc.

1971

+ [Phenylalanine](#)  
(0.56 g/100mL)  
+ [Phosphoric acid](#) (0.12  
g/100mL) +  
[Proline](#) (1.12  
g/100mL) +  
[Serine](#) (0.59  
g/100mL) +  
[Threonine](#) (0.4  
g/100mL) +  
[Tryptophan](#)  
(0.15 g/100mL)  
+ [Valine](#) (0.66  
g/100mL)

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