CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

L-Cysteine

Cat. No.: X22-05-ZQ149

Size: 100 mg; 200 mg; 500 mg; 1 g

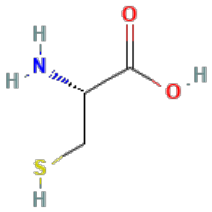
MDL: MFCD00064306

CAS Number: 52-90-4

Compound CID: 5862

Synonym: 52-90-4; L-Cysteine; Cysteine; (2*R*)-2-Amino-3-sulfanylpropanoic acid

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	L-Cysteine is a proteinogenic amino acid, which contributes to a multitude of functions in biological systems. L-Cysteine can be used in the research in the field of bronchitis, tuberculosis, and emphysema drugs.
Molecular Weight	121.16
Molecular Formula	$C_3H_7NO_2S$
IUPAC Name	(2*R*)-2-Amino-3-sulfanylpropanoic acid
InChI	InChI=1S/C3H7NO2S/c4-2(1-7)3(5)6/h2,7H,1,4H2,(H,5,6)/t2-/m0/s1
InChI Key	XUJNEKJLAYXESH-REOHCLBHSA-N
Canonical SMILES	C(C(C(=O)O)N)S
Isomeric SMILES	C([C@@H](C(=O)O)N)S
Source	Fermentation
Form	White solid
Purity	≥98%, determined by HPLC.
Solubility	It is soluble in water and alcohol, insoluble in ether, benzene, acetone, ethyl acetate, carbon disulfide and carbon tetrachloride.
Identity	Confirmed by MS and NMR.
Stability	The product is stable for two years when stored at the recommended temperature.
Melting Point	178°C
Applications	L-Cysteine can be used in the research in the field of bronchitis, tuberculosis, and emphysema drugs.

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Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask