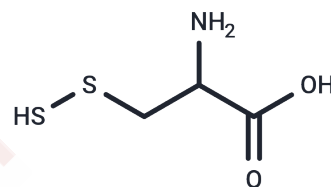


Thiocysteine

Chemical Properties

CAS No. :	5652-32-4
Formula:	C3H7NO2S2
Molecular Weight:	153.22
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Thiocysteine is a cysteine derivative, an activator of aminolevulinate synthetase, which is used in studies of cysteine metabolism. It is also an anti-tumor compound.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.5266 mL	32.6328 mL	65.2656 mL
5 mM	1.3053 mL	6.5266 mL	13.0531 mL
10 mM	0.6527 mL	3.2633 mL	6.5266 mL
50 mM	0.1305 mL	0.6527 mL	1.3053 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Shimizu A. [Analysis of variant and modified structures of proteins by mass spectrometry--application for clinical laboratory test]. Rinsho Byori. 2006 Sep;54(9):924-34. Japanese. PubMed PMID: 17063874.
- Nakanishi T, Sato T, Sakoda S, Yoshioka M, Shimizu A. Modification of cysteine residue in transthyretin and a synthetic peptide: analyses by electrospray ionization mass spectrometry. Biochim Biophys Acta. 2004 Apr 8;1698(1):45-53. PubMed PMID: 15063314.
- Włodek LB, Wróbel M. Selective modulation of non-protein sulfhydryl levels in Ehrlich ascites tumor bearing mice. Neoplasma. 1996;43(4):259-63. PubMed PMID: 8931751.
- Gentry-Weeks CR, Spokes J, Thompson J. beta-Cystathionase from Bordetella avium. Role(s) of lysine 214 and cysteine residues in activity and cytotoxicity. J Biol Chem. 1995 Mar 31;270(13):7695-702. PubMed PMID: 7706318.

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