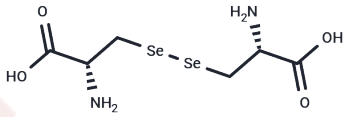
Data Sheet (Cat.No.T34603)

TargetMol

L-Selenocystine

Chemical Properties



CAS No. : 29621-88-3

Formula: C6H12N2O4Se2

Molecular Weight: 334.09

Storage: Keep away from moisture
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	L-Selenocystine (L-Selenocystine) can be used as a building block in biologically active selenol compounds.
Targets(IC50)	Apoptosis,Bcl-2 Family,Others,Caspase,Nrf2,Autophagy,ROS,p62

Solubility Information

Solubility	DMSO: 3.35 mg/mL (10.03 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9932 mL	14.966 mL	29.9321 mL
5 mM	0.5986 mL	2.9932 mL	5.9864 mL
10 mM	0.2993 mL	1.4966 mL	2.9932 mL
50 mM	0.0599 mL	0.2993 mL	0.5986 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

Uehara W, Yoshida S, Emaya Y, Fuchigami T, Haratake M, Nakayama M. Selenoprotein L-inspired nano-vesicular peroxidase mimics based on amphiphilic diselenides. Colloids Surf B Biointerfaces. 2018 Feb 1;162:172-178. doi: 10.1016/j.colsurfb.2017.11.063. Epub 2017 Nov 26. PubMed PMID: 29190468.

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Yang Z, Lu L, Kiely CJ, Berger BW, McIntosh S. Single Enzyme Direct Biomineralization of CdSe and CdSe-CdS Core-Shell Quantum Dots. ACS Appl Mater Interfaces. 2017 Apr 19;9(15):13430-13439. doi: 10.1021/acsami.7b00133. Epub 2017 Apr 5. PubMed PMID: 28358193.

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