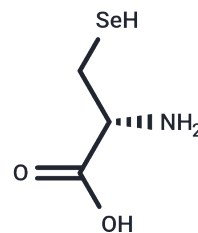


Selenocysteine

Chemical Properties

CAS No. :	10236-58-5
Formula:	C3H7NO2Se
Molecular Weight:	168.05
Storage:	Store at low temperature, Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Selenocysteine is considered to be the 21st amino acid in ribosome-mediated protein synthesis, and its specific incorporation is directed by the UGA codon.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: <1 mg/mL DMSO: <1 mg/mL 0.1M HCl: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9506 mL	29.753 mL	59.5061 mL
5 mM	1.1901 mL	5.9506 mL	11.9012 mL
10 mM	0.5951 mL	2.9753 mL	5.9506 mL
50 mM	0.119 mL	0.5951 mL	1.1901 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

- Stadtman TC. Selenocysteine. Annu Rev Biochem. 1996;65:83-100.
Shimada BK, et al. Metabolism of Selenium, Selenocysteine, and Selenoproteins in Ferroptosis in Solid Tumor Cancers. Biomolecules. 2022 Oct 28;12(11):1581.

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