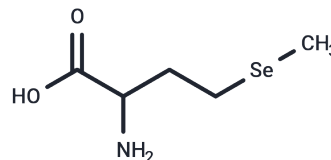


Selenomethionine

Chemical Properties

CAS No. : 1464-42-2
Formula: C₅H₁₁NO₂Se
Molecular Weight: 196.11
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DL-Selenomethionine (Seleno-DL-methionine) is a selenium (Se) analogue of methionine in which sulfur is replaced with the trace element selenium. Selenomethionine (SeMet) can incorporate into proteins in place of methionine with no effects on protein structure and function, providing a mechanism for reversible Se storage in organs and tissues.
Targets(IC50)	Amino Acids and Derivatives,Endogenous Metabolite,Autophagy

Solubility Information

Solubility	DMSO: < 1.96 mg/mL (10 mM, insoluble or slightly soluble), < 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0992 mL	25.4959 mL	50.9918 mL
5 mM	1.0198 mL	5.0992 mL	10.1984 mL
10 mM	0.5099 mL	2.5496 mL	5.0992 mL
50 mM	0.102 mL	0.5099 mL	1.0198 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.

Reference

Cao J, et al. J Anim Sci Biotechnol. 2014 Oct 2;5(1):46.

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