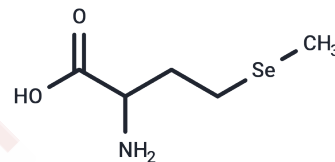


Selenomethionine

Chemical Properties

CAS No. :	1464-42-2
Formula:	C ₅ H ₁₁ NO ₂ Se
Molecular Weight:	196.11
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	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,Nrf2,Endogenous Metabolite,Autophagy

Solubility Information

Solubility	DMSO: < 1.96 mg/mL (10 mM, insoluble or slightly soluble), H ₂ O: 11.9 mg/mL (60.68 mM),Sonication is recommended. (< 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.

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

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

Chen Q, Wang W Y, Xu Q Y, et al. The enhancing effects of selenomethionine on harmine in attenuating pathological cardiac hypertrophy via glycolysis metabolism. Journal of Cellular and Molecular Medicine. 2024, 28 (19): e70124.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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