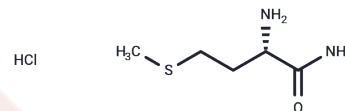


L-Methioninamide hydrochloride

Chemical Properties

CAS No. :	16120-92-6
Formula:	C ₅ H ₁₃ ClN ₂ O ₂ S
Molecular Weight:	184.69
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	L-Methioninamide hydrochloride is a potent inhibitor of methionyl-tRNA synthetase that reduces the toxicity of CDDP.
Targets(IC50)	Antibacterial,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 50 mg/mL (270.72 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	5.4145 mL	27.0724 mL	54.1448 mL
5 mM	1.0829 mL	5.4145 mL	10.829 mL
10 mM	0.5414 mL	2.7072 mL	5.4145 mL
50 mM	0.1083 mL	0.5414 mL	1.0829 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

J Lee, et al. Methionine analogues as inhibitors of methionyl-tRNA synthetase. Bioorg Med Chem Lett. 1998 Dec 15; 8(24):3511-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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