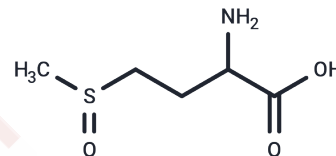


Methionine sulfoxide

Chemical Properties

CAS No. :	62697-73-8
Formula:	C ₅ H ₁₁ NO ₃ S
Molecular Weight:	165.21
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	Methionine sulfoxide, an oxidation product of methionine formed through interaction with reactive oxygen species, serves as a biomarker for oxidative stress in vivo.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 250 mg/mL (1513.23 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	6.0529 mL	30.2645 mL	60.529 mL
5 mM	1.2106 mL	6.0529 mL	12.1058 mL
10 mM	0.6053 mL	3.0265 mL	6.0529 mL
50 mM	0.1211 mL	0.6053 mL	1.2106 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

Mashima R, et al. Simultaneous determination of methionine sulfoxide and methionine in blood plasma using gas chromatography-mass spectrometry. Anal Biochem. 2003 Feb 1;313(1):28-33.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481