

S-Methyl-L-cysteine

Chemical Properties

CAS No. : 1187-84-4

Formula: C₄H₉NO₂S

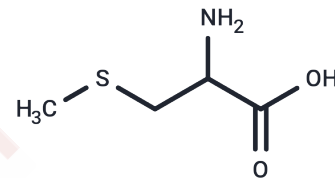
Molecular Weight: 135.18

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature, Store under nitrogen

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	S-Methyl-L-cysteine (S-Methylcysteine) is a natural product serving as a substrate in the methionine sulfoxide reductase A (MSRA) catalyzed antioxidant system, exhibiting neuroprotective, antioxidative, and anti-obesity properties.
Targets(IC50)	Antioxidant, Reactive Oxygen Species, ROS

Solubility Information

Solubility	H ₂ O: 10 mM, Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.3975 mL	36.9877 mL	73.9754 mL
5 mM	1.4795 mL	7.3975 mL	14.7951 mL
10 mM	0.7398 mL	3.6988 mL	7.3975 mL
50 mM	0.148 mL	0.7398 mL	1.4795 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

Thomas S, et al. Effect of s-methyl-L-cysteine on oxidative stress, inflammation and insulin resistance in male wistar rats fed with high fructose diet. Iran J Med Sci. 2015 Jan;40(1):45-50.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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