Data Sheet (Cat.No.T65347)

TargetMol

Methyl acetyl-L-cysteinate

Chemical Properties

CAS No. : 7652-46-2

Formula: C6H11NO3S

Molecular Weight: 177.221

Storage: Keep away from moisture
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	Methyl acetyl-L-cysteinate (N-Acetyl-L-cysteine methyl ester) is a cysteine derivative that is used in biosynthesis and is associated with body metabolism and immunity.
Targets(IC50)	Amino Acids and Derivatives

Solubility Information

Solubility	DMSO: 17.72 mg/mL (99.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6427 mL	28.2135 mL	56.427 mL
5 mM	1.1285 mL	5.6427 mL	11.2854 mL
10 mM	0.5643 mL	2.8214 mL	5.6427 mL
50 mM	0.1129 mL	0.5643 mL	1.1285 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

Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-807.

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