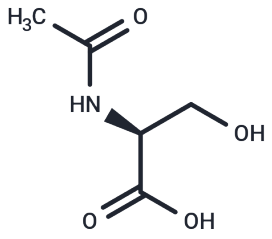
Data Sheet (Cat.No.T78617)

TargetMol

N-Acetylserine

Chemical Properties



CAS No. : 16354-58-8

Formula: C5H9NO4

Molecular Weight: 147.13

Storage: 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	N-Acetylserine (N-Acetyl-L-serine) can induce cystathionine biosynthesis and stimulate the transcription of the cysJIH gene in vitro, and it has binding activity with CysB apotocinase.
Targets(IC50)	Amino Acids and Derivatives,Endogenous Metabolite

Solubility Information

Solubility	H2O: 105 mg/mL (713.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7967 mL	33.9836 mL	67.9671 mL
5 mM	1.3593 mL	6.7967 mL	13.5934 mL
10 mM	0.6797 mL	3.3984 mL	6.7967 mL
50 mM	0.1359 mL	0.6797 mL	1.3593 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

Lynch AS, et al. Characterization of the CysB protein of Klebsiella aerogenes: direct evidence that N-acetylserine rather than O-acetylserine serves as the inducer of the cysteine regulon. Biochem J. 1994 Apr 1;299 (Pt 1)(Pt 1): 129-36.

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