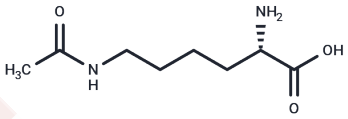
Data Sheet (Cat.No.T8101)

TargetMol

Nepsilon-Acetyl-L-lysine

Chemical Properties



CAS No. : 692-04-6

Formula: C8H16N2O3

Molecular Weight: 188.22

Storage: Store at low temperature
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	Nepsilon-Acetyl-L-lysine, a derivative of lysine, is a chemical compound characterized by the acetylation of the epsilon amino group of the lysine residue [Nepsilon-Ac-Lys].
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H2O: 10 mM,Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3129 mL	26.5647 mL	53.1293 mL
5 mM	1.0626 mL	5.3129 mL	10.6259 mL
10 mM	0.5313 mL	2.6565 mL	5.3129 mL
50 mM	0.1063 mL	0.5313 mL	1.0626 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

Schmidt H, et al. Characterization of a novel enzyme, N6-acetyl-L-lysine: 2-oxoglutarate aminotransferase, which catalyses the second step of lysine catabolism in Candida maltosa. Antonie Van Leeuwenhoek. 1992 Nov;62(4): 285-90.

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