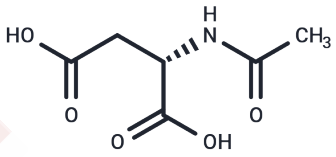
Data Sheet (Cat.No.T5287)

TargetMol

N-Acetyl-L-aspartic acid

Chemical Properties



CAS No. : 997-55-7

Formula: C6H9NO5

Molecular Weight: 175.14

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	N-Acetyl-L-aspartic acid is a derivative of aspartic acid, synthesized in neurons from the amino acid aspartic acid and acetyl coenzyme A. N-Acetyl-L-aspartic acid has antioxidant activity.
Targets(IC50)	Antioxidant,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 3.33 mg/mL (19.01 mM),Sonication is recommended. H2O: 250 mg/mL (1427.43 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7097 mL	28.5486 mL	57.0972 mL
5 mM	1.1419 mL	5.7097 mL	11.4194 mL
10 mM	0.571 mL	2.8549 mL	5.7097 mL
50 mM	0.1142 mL	0.571 mL	1.1419 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

Sreekumar A, et al. Metabolomic profiles delineate potential role for sarcosine in prostate cancer progression. Nature. 2009 Feb 12;457(7231):910-4.

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