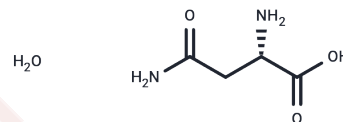


L(+)-Asparagine monohydrate

Chemical Properties

CAS No. :	5794-13-8
Formula:	C ₄ H ₁₀ N ₂ O ₄
Molecular Weight:	150.13
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	L(+)-Asparagine monohydrate is a non-essential amino acid, participate in neurological and metabolic regulation of tissue cell function.
Targets(IC50)	Apoptosis,Endogenous Metabolite,DNA/RNA Synthesis

Solubility Information

Solubility	H ₂ O: 7.14 mg/mL (47.56 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	6.6609 mL	33.3045 mL	66.6089 mL
5 mM	1.3322 mL	6.6609 mL	13.3218 mL
10 mM	0.6661 mL	3.3304 mL	6.6609 mL
50 mM	0.1332 mL	0.6661 mL	1.3322 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

Christie B D , Rapoport H . ChemInform Abstract: SYNTHESIS OF OPTICALLY PURE PIPECOLATES FROM L-ASPARAGINE. APPLICATION TO THE TOTAL SYNTHESIS OF (+)-APOVINCAMINE THROUGH AMINO ACID DECARBONYLATION AND IMINIUM ION CYCLIZATION[J]. Chemischer Informationsdienst, 1985, 16(35).

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