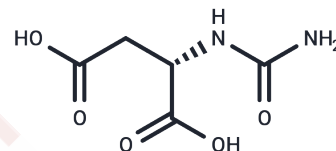


N-Carbamoyl-L-aspartic acid

Chemical Properties

CAS No. :	13184-27-5
Formula:	C ₅ H ₈ N ₂ O ₅
Molecular Weight:	176.13
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	N-Carbamoyl-L-aspartic acid is an intermediate in pyrimidine metabolism and can be utilized for the measurement of dihydroorotase (DHOase) enzymatic activity. The metabolic role of N-Carbamoyl-L-aspartic acid supports the application of N-Carbamoyl-L-aspartic acid in studies of nucleotide biosynthesis, metabolic pathway characterization, enzymology, and biochemical assay development.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 25 mg/mL (141.94 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6776 mL	28.3881 mL	56.7762 mL
5 mM	1.1355 mL	5.6776 mL	11.3552 mL
10 mM	0.5678 mL	2.8388 mL	5.6776 mL
50 mM	0.1136 mL	0.5678 mL	1.1355 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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