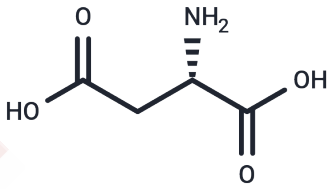
Data Sheet (Cat.No.T202731)

TargetMol

L-Aspartic acid

Chemical Properties



CAS No. : 56-84-8

Formula: C4H7NO4

Molecular Weight: 133.1

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-Aspartic acid (Aspatofort) is a non-essential amino acid in humans, L-Aspartic acid has an overall negative charge and plays an important role in the synthesis of other amino acids and in the citric acid and urea cycles. Asparagine, arginine, lysine, methionine, isoleucine, and some nucleotides are synthesized from aspartic acid. L-Aspartic acid also serves as a neurotransmitter.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: Insoluble, H2O: 8 mg/mL (60.11 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.5131 mL	37.5657 mL	75.1315 mL
5 mM	1.5026 mL	7.5131 mL	15.0263 mL
10 mM	0.7513 mL	3.7566 mL	7.5131 mL
50 mM	0.1503 mL	0.7513 mL	1.5026 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

Leopold CS, et al. In vivo pharmacokinetic study for the assessment of poly(L-aspartic acid) as a drug carrier for colon-specific drug delivery. J Pharmacokinet Biopharm. 1995 Aug;23(4):397-406.

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