

DL-Aspartic Acid

Chemical Properties

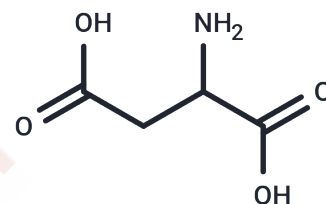
CAS No. : 617-45-8

Formula: C₄H₇NO₄

Molecular Weight: 133.10

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	DL-Aspartic Acid is the DL mixture of aspartic acid, widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble) H ₂ O: 8.00 mg/mL (60.11 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	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

Macchia G, et al. DL-Aspartic acid administration improves semen quality in rabbit bucks. Anim Reprod Sci. 2010 Apr;118(2-4):337-43.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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