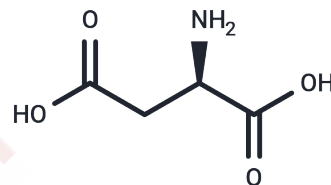


(-)-Aspartic acid

Chemical Properties

CAS No. :	1783-96-6
Formula:	C ₄ H ₇ NO ₄
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	(-)-Aspartic acid (L-Homoproline) is an endogenous amino acid existing in invertebrates and vertebrates. It can regulate testosterone synthesis and is an agonist of NMDA receptor.
Targets(IC50)	Endogenous Metabolite,NMDAR,Pyroptosis,iGluR

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) H ₂ O: 3.28 mg/mL (24.64 mM),Sonication is recommended. 1eq. NaOH: 100 mM,Sonication is recommended. Ethanol: Insoluble, (< 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

Santillo A, et al. D-Aspartate Induces Proliferative Pathways in Spermatogonial GC-1 Cells.J Cell Physiol. 2016 Feb; 231(2):490-5.

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