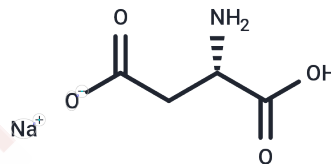


L-Aspartic acid sodium

Chemical Properties

CAS No. :	3792-50-5
Formula:	C ₄ H ₆ NNaO ₄
Molecular Weight:	155.08
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 sodium (Sodium L-aspartate) is an amino acid, a precursor active molecule for colon-specific active molecule delivery, that promotes Na ⁺ efflux from rat forebrain membrane vesicles.
Targets(IC50)	Endogenous Metabolite,Sodium Channel

Solubility Information

Solubility	H ₂ O: 45 mg/mL (290.17 mM),Sonication is recommended. DMSO: 0.9 mg/mL (5.8 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.4483 mL	32.2414 mL	64.4828 mL
5 mM	1.2897 mL	6.4483 mL	12.8966 mL
10 mM	0.6448 mL	3.2241 mL	6.4483 mL
50 mM	0.129 mL	0.6448 mL	1.2897 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.
- Hosoya K, et al. Blood-brain barrier produces significant efflux of L-aspartic acid but not D-aspartic acid: in vivo evidence using the brain efflux index method. J Neurochem. 1999 Sep;73(3):1206-11.

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