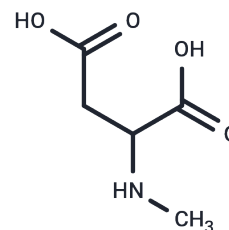


## N-Methyl-DL-aspartic acid

## Chemical Properties

CAS No. :	17833-53-3
Formula:	C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub>
Molecular Weight:	147.13
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-Methyl-DL-aspartic acid, a glutamate analogue and NMDA receptor agonist, is utilized in neurological disease research.
Targets(IC50)	NMDAR,iGluR

## Solubility Information

Solubility	DMSO: 1.48 mg/mL (10.06 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	6.7967 mL	33.9836 mL	67.9671 mL
5 mM	1.3593 mL	6.7967 mL	13.5934 mL
10 mM	0.6797 mL	3.3984 mL	6.7967 mL
50 mM	0.1359 mL	0.6797 mL	1.3593 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

- G R Lauretti, et al. The activity of opioid analgesics in seizure models utilizing N-methyl-DL-aspartic acid, kainic acid, bicuculline and pentylenetetrazole. *Neuropharmacology*. 1994 Feb;33(2):155-60.
- S J Czuczwar, et al. Antagonism of N-methyl-D,L-aspartic acid-induced convulsions by antiepileptic drugs and other agents. *Eur J Pharmacol*. 1985 Feb 5;108(3):273-80.

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