
Product Data Sheet

Product Name: N-Methyl-DL-aspartic acid

Cat. No.: GC63112

Chemical Properties

Cas. No. 17833-53-3

Formula C₅H₉NO₄

M.Wt 147.13

Solubility H₂O : 16.67 mg/mL (113.30 mM; Need ultrasonic); DMSO : Store
4.17 mg/mL (28.34 mM; ultrasonic and warming and heat to 60°C) Storage at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

N-Methyl-DL-aspartic acid is a glutamate analogue and a NMDA receptor agonist and can be used for neurological diseases research[1][2].

[1]. G R Lauretti, et al. The activity of opioid analgesics in seizure models utilizing N-methyl-DL-aspartic acid, kainic acid, bicuculline and pentylentetrazole. *Neuropharmacology*. 1994 Feb;33(2):155-60.

[2]. 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

Caution: Product has not been fully validated for medical applications. For research use only.

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