

NMDA

Catalog No: tcsc2194



Available Sizes

Size: 50mg

Size: 100mg



Specifications

CAS No:

6384-92-5

Formula:

$C_5H_9NO_4$

Pathway:

Membrane Transporter/Ion Channel;Neuronal Signaling

Target:

iGluR;iGluR

Purity / Grade:

>98%

Solubility:

DMSO : 15 mg/mL (101.95 mM; Need ultrasonic and warming)

Alternative Names:

N-Methyl-D-aspartic acid

Observed Molecular Weight:

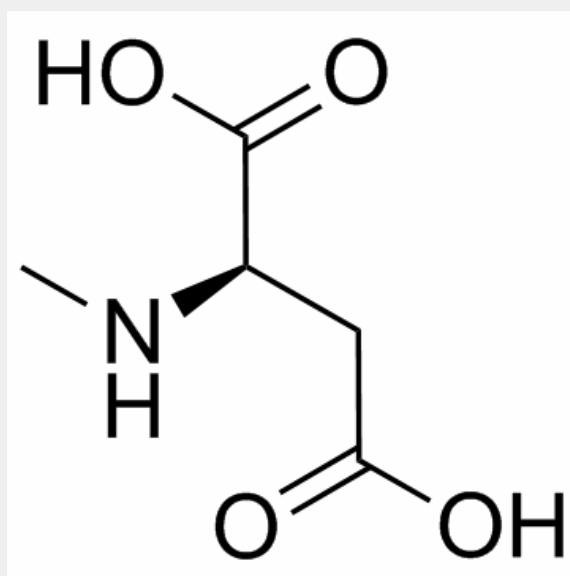
147.13

Product Description

NMDA is a specific agonist for **NMDA receptor** mimicking the action of glutamate, the neurotransmitter which normally acts at that receptor.

In Vitro: NMDA exerts a significant augmentation of the adrenal binding independently of the incubation temperature in a concentration-dependent manner^[2].

In Vivo: NMDA (0.2 nM) shows significant effects on MF, IF, IL, and EL, respectively, decreasing the mount and intromission frequencies, and shortening the intromission and ejaculation latencies. NMDA and AP-5 significantly, respectively, facilitates and inhibits the ejaculatory behavior during the copulation testing 30 min. Bilateral microinjection of NMDA into PVN significantly increases the baseline LSNA, the peaking increment of LSNA occurred within 5 min from the time of NMDA microinjected into PVN^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!