

Naspm (trihydrochloride)

Catalog No: tcsc3630



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1049731-36-3

Formula:

$C_{22}H_{37}Cl_3N_4O$

Pathway:

Membrane Transporter/Ion Channel;Neuronal Signaling

Target:

iGluR;iGluR

Purity / Grade:

>98%

Solubility:

DMSO : 6.4 mg/mL (13.34 mM; Need ultrasonic)

Alternative Names:

1-Naphthylacetyl spermine trihydrochloride

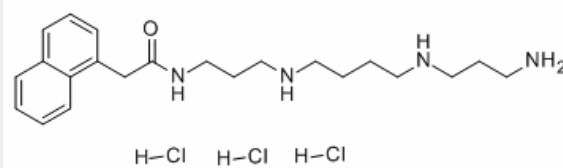
Observed Molecular Weight:

479.91

Product Description

Naspm (1-Naphthyl acetyl spermine) trihydrochloride, a synthetic analogue of Joro spider toxin, is a calcium permeable AMPA (**CP-AMPA**) receptors antagonist.

In Vitro: NASPM selectively suppresses the inwardly rectifying and Ca^{2+} -permeable AMPA receptors expressed in type II neurons. It has no effect on AMPA receptors in type I neurons. At -60 mV, NASPM suppresses AMPA receptors in type II neurons with an IC_{50} value of 0.33 μM . The blocking effect of NASPM on the Ca^{2+} -permeable AMPA receptors is use and voltage-dependent^[1].



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