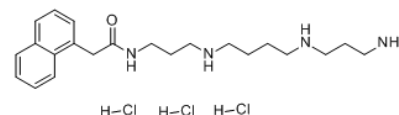


Product Name : Naspn trihydrochloride
Cat. No. : PC-43076
CAS No. : 1049731-36-3
Molecular Formula : C₂₂H₃₇Cl₃N₄O
Molecular Weight : 479.9144
Target : iGluR
Solubility : DMSO: 6.4 mg/mL (Need ultrasonic)



Biological Activity

Naspn trihydrochloride is a selective antagonist of Ca²⁺-permeable **AMPA** receptors, blocks GluR2-lacking AMPARs, suppresses current responses induced by kainate in type II neurons with IC₅₀ of 0.33 μM. Naspn greatly reduces the late rise in intracellular free Zn(2+) in postischemic CA1 neurons and affords partial protection against ischemia-induced cell death, protects against ischemia-induced death of CA1 neurons in vivo. Naspn selectively suppresses the inwardly rectifying and Ca(2+)-permeable AMPA receptors expressed in type II neurons, has no effect on AMPA receptors in type I neurons.

References

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Chen T, et al. Mol Brain. 2014 Oct 31;7:76.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com