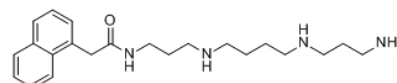


Product Name : Nasp
Cat. No. : PC-43075
CAS No. : 122306-11-0
Molecular Formula : C₂₂H₃₄N₄O
Molecular Weight : 370.5316
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

Nasp 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.

Nasp greatly reduces the late rise in intracellular free Zn²⁺ in posts ischemic CA1 neurons and affords partial protection against ischemia-induced cell death, protects against ischemia-induced death of CA1 neurons in vivo.

Nasp selectively suppresses the inwardly rectifying and Ca²⁺-permeable AMPA receptors expressed in type II neurons, has no effect on AMPA receptors in type I neurons.

References

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

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