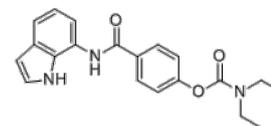


Product Name : NAB-14
Cat. No. : PC-63207
CAS No. : 1237541-73-9
Molecular Formula : C₂₀H₂₁N₃O₃
Molecular Weight : 351.406
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

NAB-14 is a potent, selective negative allosteric modulator / antagonist of **GluN2C/2D-containing NMDA receptors** with IC₅₀ of 580 nM, >800-fold selective over GluN2A/GluN2 receptors.

NAB-14 inhibits triheteromeric (GluN1/GluN2A/GluN2C) NMDARs with modestly reduced potency and efficacy compared to diheteromeric (GluN1/GluN2C/GluN2C) receptors.

NAB-14 inhibits GluN2D-mediated synaptic currents in rat subthalamic neurons and mouse hippocampal interneurons, but has no effect on synaptic transmission in hippocampal pyramidal neurons.

References

Swanger SA, et al. *ACS Chem Neurosci*. 2018 Feb 21;9(2):306-319.

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

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