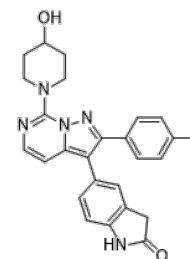


Product Name : JNJ-61432059
Cat. No. : PC-20320
CAS No. : 2035814-50-5
Molecular Formula : C₂₅H₂₂FN₅O₂
Molecular Weight : 443.48
Target : iGluR
Solubility : 10 mM in DMSO



CAS: 2035814-50-5

Biological Activity

JNJ-61432059 is a potent, **TARPy-8** selective **AMPA** negative modulator with pIC₅₀ of 9.7 in FLIPR assay using HEK-293 cells expressing human GluA1 α - γ -8.

JNJ-61432059 does not inhibit glutamate-induced calcium-flux in heterologous cells that coexpressed AMPARs with any TARP other than γ -8 at 10 μ M.

JNJ-61432059 also shows no activity against a panel of 52 receptors, ion channels, and transporters using radioligand displacement assays.

JNJ-61432059 demonstrates robust target engagement observed in vivo, shows protection in the corneal kindling model with ED₅₀ of 1.3 mg/kg.

JNJ-61432059 (5 mg/kg, p.o.) demonstrates anticonvulsant efficacy and seizure protection in corneal kindling and pentylenetetrazole (PTZ) anticonvulsant models.

References

Savall BM, et al. *ACS Med Chem Lett.* 2018 Dec 26;10(3):267-272.

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

E-mail: tech@probechem.com