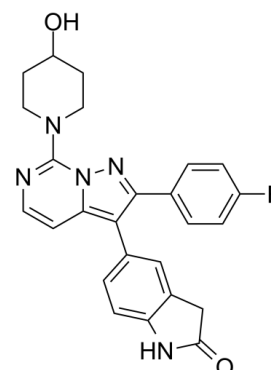


Data Sheet

Product Name:	JNJ-61432059
Cat. No.:	CS-0090751
CAS No.:	2035814-50-5
Molecular Formula:	C ₂₅ H ₂₂ FN ₅ O ₂
Molecular Weight:	443.47
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Solubility:	DMSO : 50 mg/mL (112.75 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

JNJ-61432059 is an oral active and selective negative modulator of **AMPA** associated with trans-membrane AMPAR regulatory protein (TARP) γ -8, with a **pIC₅₀** of 9.7 for GluA1/ γ -8. Exhibits time- and dose-dependent AMPAR/ γ -8 receptor occupancy in mouse hippocampus, resulting in robust seizure protection in corneal kindling and pentylenetetrazole (PTZ) anticonvulsant models^[1]. IC₅₀ & Target: pIC₅₀: 9.7 (AMPA)^[1].

References:

[1]. Savall BM, et al. Discovery of Imidazo[1,2-a]pyrazines and Pyrazolo[1,5-c]pyrimidines as TARP γ -8 Selective AMPAR Negative Modulators. ACS Med Chem Lett. 2018 Dec 26;10(3):267-272.

CAIndexNames:

2H-Indol-2-one, 5-[2-(4-fluorophenyl)-7-(4-hydroxy-1-piperidinyl)pyrazolo[1,5-c]pyrimidin-3-yl]-1,3-dihydro-

SMILES:

OC1CCN(C2=NC=CC3=C(C4=CC=C(NC(C5=O)C5=C4)C(C6=CC=C(F)C=C6)=NN32)CC1

Caution: Product has not been fully validated for medical applications. For research use only.

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