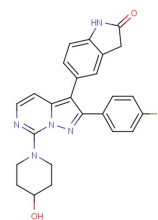


JNJ-61432059

Chemical Properties

CAS No.:	2035814-50-5
Formula:	C ₂₅ H ₂₂ FN ₅ O ₂
Molecular Weight:	443.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	JNJ-61432059 is an oral active and selective negative modulator of AMPAR associated with trans-membrane AMPAR regulatory protein (TARP) γ -8 (pIC ₅₀ : 9.7 for GluA1/ γ -8).
Targets(IC ₅₀)	AMPA: (pic50)9.7
In vivo	In mouse hippocampus, Exhibits time- and dose-dependent AMPAR/ γ -8 receptor occupancy, resulting in robust seizure protection in corneal kindling and pentylenetetrazole (PTZ) anticonvulsant models.

Solubility Information

Solubility	DMSO: 50 mg/mL (112.75 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.255 mL	11.275 mL	22.549 mL
5 mM	0.451 mL	2.255 mL	4.51 mL
10 mM	0.225 mL	1.127 mL	2.255 mL
50 mM	0.045 mL	0.225 mL	0.451 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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