

JNJ-61432059

Chemical Properties

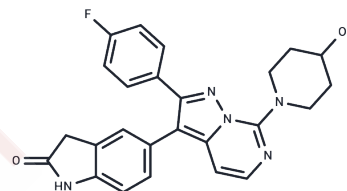
CAS No. : 2035814-50-5

Formula: C₂₅H₂₂FN₅O₂

Molecular Weight: 443.47

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	JNJ-61432059 is an orally active and selective negative modulator of TARP γ -8 selective AMPAR (pIC ₅₀ : 9.7).
Targets(IC ₅₀)	iGluR
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: 65 mg/mL (146.57 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.51 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2549 mL	11.2747 mL	22.5494 mL
5 mM	0.451 mL	2.2549 mL	4.5099 mL
10 mM	0.2255 mL	1.1275 mL	2.2549 mL
50 mM	0.0451 mL	0.2255 mL	0.451 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

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