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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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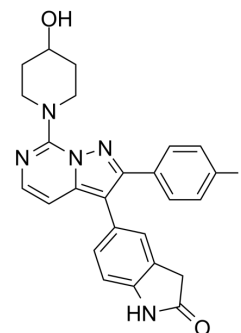
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JNJ-61432059

Cat. No.:	HY-111751
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
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (112.75 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.2549 mL	11.2747 mL	22.5494 mL
		5 mM		0.4510 mL	2.2549 mL	4.5099 mL
		10 mM		0.2255 mL	1.1275 mL	2.2549 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.69 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.69 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	JNJ-61432059 is an oral active and selective negative modulator of AMPAR associated with trans-membrane AMPAR regulatory protein (TARP) γ-8, with a pIC ₅₀ 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] .
IC ₅₀ & Target	pIC ₅₀ : 9.7 (AMPA) ^[1] .

CUSTOMER VALIDATION

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- Nat Commun. 2023 Mar 25;14(1):1659.

See more customer validations on www.MedChemExpress.com

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.

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

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