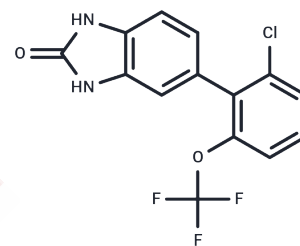


JNJ-5551118

Chemical Properties

CAS No. :	2036081-86-2
Formula:	C ₁₄ H ₈ ClF ₃ N ₂ O ₂
Molecular Weight:	328.67
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	JNJ-5551118 is a highly efficient and selective TARP $\gamma 8$ negative allosteric modulator with anticonvulsant and neuroprotective activities. By reducing the peak current of AMPAR containing $\gamma 8$, it can be used for research on chronic operant alcohol self-administration.
Targets(IC50)	GluR,iGluR
In vitro	In the competition binding assay, JNJ-5551118 can completely replace the radioligand with a K_i value of 26 nM. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0426 mL	15.2128 mL	30.4257 mL
5 mM	0.6085 mL	3.0426 mL	6.0851 mL
10 mM	0.3043 mL	1.5213 mL	3.0426 mL
50 mM	0.0609 mL	0.3043 mL	0.6085 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

Maher MP, et al. Discovery and Characterization of AMPA Receptor Modulators Selective for TARP- $\gamma 8$. J Pharmacol Exp Ther. 2016 May;357(2):394-414.

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