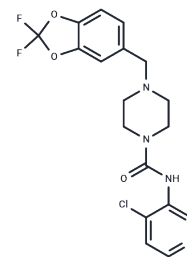


JNJ-42165279

Chemical Properties

CAS No. : 1346528-50-4
Formula: C₁₈H₁₇ClF₂N₄O₃
Molecular Weight: 410.8
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-42165279 covalently inactivates the FAAH enzyme but is highly selective with regard to other enzymes, ion channels, transporters, and receptors. JNJ-42165279 (10 μM) exhibits high selectivity against a panel of 50 receptors, enzymes, transporters, and ion-channels, at which concentration it does not produce >50% inhibition of binding to any of the targets. Fortunately, JNJ-42165279 (10 μM) also does not inhibit CYPs (1A2, 2C8, 2C9, 2C19, 2D6, 3A4) or hERG.
Targets(IC50)	FAAH, Autophagy

Solubility Information

Solubility	DMSO: 45 mg/mL (109.54 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: 2.5 mg/mL (6.09 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	2.4343 mL	12.1714 mL	24.3427 mL
5 mM	0.4869 mL	2.4343 mL	4.8685 mL
10 mM	0.2434 mL	1.2171 mL	2.4343 mL
50 mM	0.0487 mL	0.2434 mL	0.4869 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

Keith JM, et al. ACS Med Chem Lett. 2015 Nov 2;6(12):1204-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481