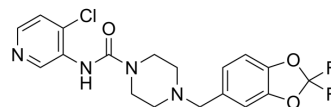


## JNJ-42165279

Cat. No.:	HY-19636		
CAS No.:	1346528-50-4		
Molecular Formula:	C <sub>18</sub> H <sub>17</sub> ClF <sub>2</sub> N <sub>4</sub> O <sub>3</sub>		
Molecular Weight:	410.8		
Target:	FAAH; Autophagy		
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling; Autophagy		
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 : ≥ 100 mg/mL (243.43 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: ≥ 3 mg/mL (7.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 3 mg/mL (7.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 3 mg/mL (7.30 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

JNJ-42165279 is a FAAH inhibitor that inhibits hFAAH and rFAAH with IC<sub>50</sub> of 70±8 nM and 313 ± 28 nM respectively.

### REFERENCES

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

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