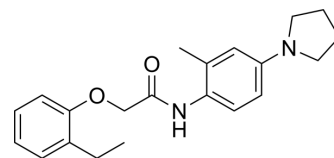


## JAMM protein inhibitor 2

Cat. No.:	HY-147031
CAS No.:	848249-35-4
Molecular Formula:	C <sub>21</sub> H <sub>26</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	338.44
Target:	Deubiquitinase
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 14.71 mg/mL (43.46 mM); ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.9547 mL	14.7737 mL	29.5473 mL
		5 mM	0.5909 mL	2.9547 mL	5.9095 mL
		10 mM	0.2955 mL	1.4774 mL	2.9547 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: 1.47 mg/mL (4.34 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 1.47 mg/mL (4.34 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.47 mg/mL (4.34 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	JAMM protein inhibitor 2 (compound 180) is a potent JAMM protease inhibitor with IC <sub>50</sub> s of 10 μM, 46 μM and 89 μM for thrombin, Rpn11 and MMP2, respectively. JAMM protein inhibitor 2 can be used for researching anticancer <sup>[1]</sup>
IC <sub>50</sub> & Target	:IC <sub>50</sub> : 10 μM (thrombin), 46 μM (Rpn11), 89 μM (MMP2) <sup>[1]</sup>

### REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA