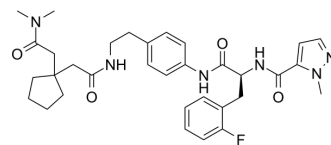


## IL-17A antagonist 1

Cat. No.:	HY-101913		
CAS No.:	2205034-18-8		
Molecular Formula:	C <sub>33</sub> H <sub>41</sub> FN <sub>6</sub> O <sub>4</sub>		
Molecular Weight:	604.71		
Target:	Interleukin Related		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 41.67 mg/mL (68.91 mM; ultrasonic and warming and heat to 60°C)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions	1 mM	1.6537 mL	8.2684 mL
		5 mM	0.3307 mL	1.6537 mL
		10 mM	0.1654 mL	0.8268 mL
	Please refer to the solubility information to select the appropriate solvent.			
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.13 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.44 mM); Clear solution			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.44 mM); Clear solution			

### BIOLOGICAL ACTIVITY

Description	IL-17A antagonist 1 (compound 1) is an IL-17A antagonist, with a K <sub>d</sub> of 0.66 μM and an IC <sub>50</sub> of 1.14 μM <sup>[1]</sup> .	
IC <sub>50</sub> & Target	IL-17A 1.14 nM (IC <sub>50</sub> )	IL-17A 0.66 μM (K <sub>d</sub> )

### 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