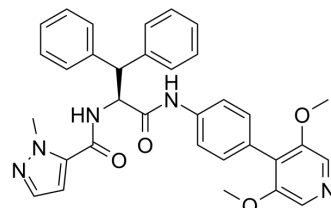


## IL-17A modulator-1

<b>Cat. No.:</b>	HY-145430
<b>CAS No.:</b>	2748749-29-1
<b>Molecular Formula:</b>	C <sub>33</sub> H <sub>31</sub> N <sub>5</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	561.63
<b>Target:</b>	Interleukin Related
<b>Pathway:</b>	Immunology/Inflammation
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (178.05 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		1.7805 mL	8.9027 mL	17.8053 mL
		<b>5 mM</b>		0.3561 mL	1.7805 mL	3.5611 mL
	<b>10 mM</b>		0.1781 mL	0.8903 mL	1.7805 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (4.45 mM); Suspended solution; Need ultrasonic  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.45 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	IL-17A modulator-1 is a IL-17A modulator, extracted from patent WO2021239743+A1, example 9. IL-17A modulator-1 inhibits the biological action of IL-17A with a pIC <sub>50</sub> of 8.2. IL-17A modulator-1 can be used for the research of diseases or disorders associated with modulation of IL-17A activity including diseases with an immune component or autoimmune pathol, cancer and neurodegenerative disorders <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IL-17A 8.2 (pIC <sub>50</sub> )

### REFERENCES

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

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