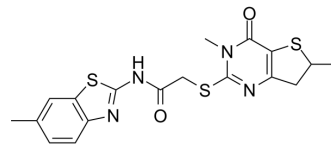


## IWP-12

Cat. No.:	HY-107570		
CAS No.:	688353-45-9		
Molecular Formula:	C <sub>18</sub> H <sub>18</sub> N <sub>4</sub> O <sub>2</sub> S <sub>3</sub>		
Molecular Weight:	418.56		
Target:	Acyltransferase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (59.73 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	2.3891 mL	11.9457 mL	23.8914 mL
			5 mM	0.4778 mL	2.3891 mL	4.7783 mL
10 mM	0.2389 mL	1.1946 mL	2.3891 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: 2.5 mg/mL (5.97 mM); Suspended solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

Description	IWP-12 is a potent inhibitor of porcupine (PORCN) and inhibits cell-autonomous Wnt signaling with an IC <sub>50</sub> of 15 nM <sup>[1]</sup> .
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### REFERENCES

[1]. Wang X, et al. The development of highly potent inhibitors for porcupine. J Med Chem. 2013 Mar 28;56(6):2700-4.

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

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