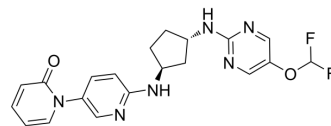


## PCSK9-IN-12

Cat. No.:	HY-148673		
CAS No.:	2455427-91-3		
Molecular Formula:	C <sub>20</sub> H <sub>20</sub> F <sub>2</sub> N <sub>6</sub> O <sub>2</sub>		
Molecular Weight:	414.41		
Target:	Ser/Thr Protease		
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 : 100 mg/mL (241.31 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	2.4131 mL	12.0653 mL	24.1307 mL
			5 mM	0.4826 mL	2.4131 mL	4.8261 mL
10 mM	0.2413 mL	1.2065 mL	2.4131 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 (6.03 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.03 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.03 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	PCSK9-IN-12 is a heteroaryl compound. PCSK9-IN-12 has bind affinity for PCSK9 with a K <sub>d</sub> value of 200 nM. PCSK9-IN-12 can be used for the research of cholesterol metabolism <sup>[1]</sup> .
In Vitro	PCSK9-IN-12 (compound 458B) has affinity for PCSK9 with a K <sub>d</sub> value of 200 nM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### 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