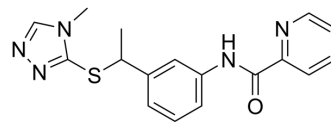


Cbl-b-IN-5

Cat. No.:	HY-155120		
CAS No.:	2368835-59-8		
Molecular Formula:	C ₁₇ H ₁₇ N ₅ OS		
Molecular Weight:	339.41		
Target:	E1/E2/E3 Enzyme		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (294.63 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
			1 mg	5 mg	
	Preparing Stock Solutions	1 mM	2.9463 mL	14.7314 mL	29.4629 mL
		5 mM	0.5893 mL	2.9463 mL	5.8926 mL
10 mM		0.2946 mL	1.4731 mL	2.9463 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 (7.37 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.37 mM); Clear solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (7.37 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Cbl-b-IN-5 (compound 6) is a Cbl-b inhibitor (IC ₅₀ =3-10 μM). Cbl-b-IN-5 has the potential to be used in the study of cancer and related diseases amenable to immune system modulation ^[1] .
IC ₅₀ & Target	IC ₅₀ : Cbl-b (3-10 μM) ^[1] .

REFERENCES

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

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