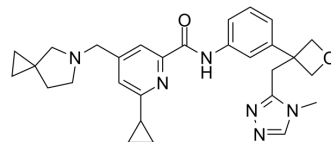


Cbl-b-IN-1

Cat. No.:	HY-136339		
CAS No.:	2368841-84-1		
Molecular Formula:	C ₂₉ H ₃₄ N ₆ O ₂		
Molecular Weight:	498.62		
Target:	E1/E2/E3 Enzyme		
Pathway:	Metabolic Enzyme/Protease		
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 : 60 mg/mL (120.33 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		2.0055 mL	10.0277 mL	20.0554 mL
5 mM		0.4011 mL	2.0055 mL	4.0111 mL
10 mM		0.2006 mL	1.0028 mL	2.0055 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 6 mg/mL (12.03 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 6 mg/mL (12.03 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 6 mg/mL (12.03 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Cbl-b-IN-1 (example 519) is a Cbl-b inhibitor, extracted from patent WO2019148005A1, with an IC₅₀ <100 nM^[1].

IC₅₀ & Target

IC₅₀: <100 nM (Cbl-b)^[1].

REFERENCES

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

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