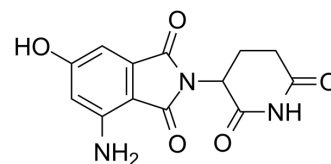


## Pomalidomide-6-OH

Cat. No.:	HY-139540		
CAS No.:	1547162-44-6		
Molecular Formula:	C <sub>13</sub> H <sub>11</sub> N <sub>3</sub> O <sub>5</sub>		
Molecular Weight:	289.24		
Target:	Ligands for E3 Ligase		
Pathway:	PROTAC		
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 : 100 mg/mL (345.73 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.4573 mL	17.2867 mL	34.5734 mL
		5 mM	0.6915 mL	3.4573 mL	6.9147 mL
10 mM		0.3457 mL	1.7287 mL	3.4573 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 (8.64 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 (8.64 mM); Clear solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (8.64 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

Description	Pomalidomide-6-OH is the Pomalidomide-based cereblon (CRBN) ligand used in the recruitment of CRBN protein. Pomalidomide-6-OH can be connected to the ligand for protein by a linker to form PROTAC <sup>[1]</sup> .
IC <sub>50</sub> & Target	Cereblon
In Vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins <sup>[1]</sup> .

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MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. Andrew J. Phillips, et al. Bromodomain targeting degronimers for target protein degradation. WO2017197056A1.

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

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