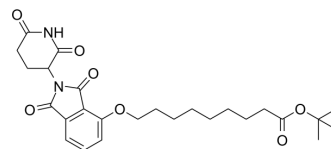


## Thalidomide-O-C8-Boc

<b>Cat. No.:</b>	HY-131159
<b>CAS No.:</b>	2225148-52-5
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>34</sub> N <sub>2</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	486.56
<b>Target:</b>	Ligands for E3 Ligase
<b>Pathway:</b>	PROTAC
<b>Storage:</b>	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (205.52 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		2.0552 mL	10.2762 mL	20.5525 mL
		<b>5 mM</b>		0.4110 mL	2.0552 mL	4.1105 mL
<b>10 mM</b>		0.2055 mL	1.0276 mL	2.0552 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (5.14 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.14 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (5.14 mM); Clear solution</li> </ol>					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Thalidomide-O-C8-Boc is the Thalidomide-based Cereblon ligand used in the recruitment of CRBN protein. Thalidomide-O-C8-Boc can be connected to the ligand for protein by a linker to form PROTACs <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Cereblon

### REFERENCES

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

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