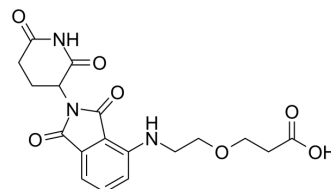


## Pomalidomide-PEG1-C2-COOH

<b>Cat. No.:</b>	HY-137531
<b>CAS No.:</b>	2139348-60-8
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>19</sub> N <sub>3</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	389.36
<b>Target:</b>	E3 Ligase Ligand-Linker Conjugates
<b>Pathway:</b>	PROTAC
<b>Storage:</b>	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 125 mg/mL (321.04 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>2.5683 mL</td> <td>12.8416 mL</td> <td>25.6832 mL</td> </tr> <tr> <td>5 mM</td> <td>0.5137 mL</td> <td>2.5683 mL</td> <td>5.1366 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2568 mL</td> <td>1.2842 mL</td> <td>2.5683 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.5683 mL	12.8416 mL	25.6832 mL	5 mM	0.5137 mL	2.5683 mL	5.1366 mL	10 mM	0.2568 mL	1.2842 mL	2.5683 mL
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	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: ≥ 2.08 mg/mL (5.34 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.34 mM); Clear solution</li> </ol>																					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Pomalidomide-PEG1-C2-COOH is a synthesized E3 ligase ligand-linker conjugate that incorporates the Pomalidomide based cereblon ligand and 1-unit PEG linker used in PROTAC technology <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Cereblon

### REFERENCES

[1]. Qiu X, et al. Jiang B. Chemoselective Synthesis of Lenalidomide-Based PROTAC Library Using Alkylation Reaction. Org Lett. 2019;21(10):3838-3841.

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

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