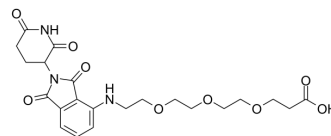


## Thalidomide-NH-PEG3-propionic acid

Cat. No.:	HY-136166
CAS No.:	2138440-82-9
Molecular Formula:	C <sub>22</sub> H <sub>27</sub> N <sub>3</sub> O <sub>9</sub>
Molecular Weight:	477.46
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (261.80 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.0944 mL	10.4721 mL	20.9442 mL
		5 mM	0.4189 mL	2.0944 mL	4.1888 mL
	10 mM	0.2094 mL	1.0472 mL	2.0944 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: ≥ 2.08 mg/mL (4.36 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.36 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Thalidomide-NH-PEG3-propionic acid is a synthesized E3 ligase ligand-linker conjugate that incorporates the Thalidomide based cereblon ligand and 3-unit PEG linker used in PROTAC technology <sup>[1]</sup> .
IC <sub>50</sub> & Target	Cereblon

### REFERENCES

[1]. David Remillard, et al. Degradation of the BAF Complex Factor BRD9 by Heterobifunctional Ligands. 2017 May 15;56(21):5738-5743.

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

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