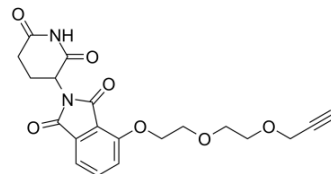


## Thalidomide-O-PEG2-propargyl

<b>Cat. No.:</b>	HY-126458		
<b>CAS No.:</b>	2098487-52-4		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>20</sub> N <sub>2</sub> O <sub>7</sub>		
<b>Molecular Weight:</b>	400.38		
<b>Target:</b>	E3 Ligase Ligand-Linker Conjugate		
<b>Pathway:</b>	PROTAC		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 120 mg/mL (299.72 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4976 mL	12.4881 mL	24.9763 mL
	5 mM	0.4995 mL	2.4976 mL	4.9953 mL
	10 mM	0.2498 mL	1.2488 mL	2.4976 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: ≥ 3 mg/mL (7.49 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 3 mg/mL (7.49 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 3 mg/mL (7.49 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Thalidomide-O-PEG2-propargyl (E3 ligase Ligand-Linker Conjugates 32) is a synthesized E3 ligase ligand-linker conjugate that incorporates the Thalidomide based cereblon ligand and 2-unit PEG linker used in PROTAC technology<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

Cereblon

### REFERENCES

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

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