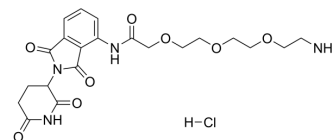


## Pomalidomide-amino-PEG3-NH2 hydrochloride

<b>Cat. No.:</b>	HY-133817
<b>CAS No.:</b>	2380273-75-4
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>27</sub> ClN <sub>4</sub> O <sub>8</sub>
<b>Molecular Weight:</b>	498.91
<b>Target:</b>	E3 Ligase Ligand-Linker Conjugates
<b>Pathway:</b>	PROTAC
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (200.44 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.0044 mL	10.0218 mL	20.0437 mL	
5 mM	0.4009 mL	2.0044 mL	4.0087 mL	
10 mM	0.2004 mL	1.0022 mL	2.0044 mL	

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Pomalidomide-amino-PEG3-NH2 hydrochloride is a synthesized E3 ligase ligand-linker conjugate that incorporates the Pomalidomide based cereblon ligand and a linker used in PROTAC technology<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>[2]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Sato T, et al. Cereblon-Based Small-Molecule Compounds to Control Neural Stem Cell Proliferation in Regenerative Medicine. *Front Cell Dev Biol.* 2021;9:629326. Published 2021 Mar 11.

[2]. Nalawansa DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. *Cell Chem Biol.* 2020;27(8):998-985.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA