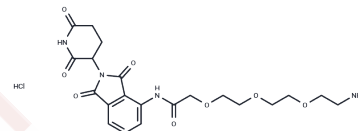


## Pomalidomide-amino-PEG3-NH2 hydrochloride

## Chemical Properties

CAS No. :	2380273-75-4
Formula:	C <sub>21</sub> H <sub>27</sub> ClN <sub>4</sub> O <sub>8</sub>
Molecular Weight:	498.91
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Pomalidomide-amino-PEG3-NH2 hydrochloride is an E3 ligase ligand-linker conjugate containing a pomalidomide-based cereblon ligand and a linker, which can be used to synthesize PROTACs.
Targets(IC50)	E3 Ligase Ligand-Linker Conjugates, Ligands for E3 Ligase
In vitro	PROTACs consist of two distinct ligands linked by a linker: one ligand binds to the E3 ubiquitin ligase, and the other ligand binds to the target protein. PROTACs utilize the intracellular ubiquitin-proteasome system to achieve selective degradation of the target protein. [2]

## Solubility Information

Solubility	DMSO: 80 mg/mL (160.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0401 mL	0.2004 mL	0.4009 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

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

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