

## Thalidomide-O-amido-PEG4-C2-NH2 hydrochloride

## Chemical Properties

CAS No. : 2245697-85-0

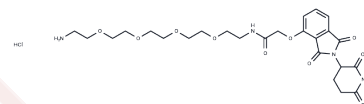
Formula: C<sub>25</sub>H<sub>35</sub>ClN<sub>4</sub>O<sub>10</sub>

Molecular Weight: 587.02

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Thalidomide-O-amido-PEG4-C2-NH2 hydrochloride is a synthesized E3 ligase ligand-linker conjugate, incorporating the Thalidomide-based cereblon ligand and a linker.
Targets(IC50)	Apoptosis, Autophagy, E3 Ligase Ligand-Linker Conjugates, Ligands for E3 Ligase
In vitro	PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins. PROTACs contain two different ligands connected by a linker[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7035 mL	8.5176 mL	17.0352 mL
5 mM	0.3407 mL	1.7035 mL	3.407 mL
10 mM	0.1704 mL	0.8518 mL	1.7035 mL
50 mM	0.0341 mL	0.1704 mL	0.3407 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

James Bradner, et al. Methods to induce targeted protein degradation through bifunctional molecules. WO2016105518A1.

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