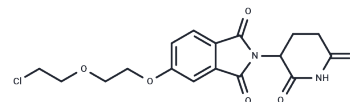


Thalidomide-5-PEG2-Cl

Chemical Properties

CAS No. :	2230956-57-5
Formula:	C ₁₇ H ₁₇ ClN ₂ O ₆
Molecular Weight:	380.78
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Thalidomide-5-PEG2-Cl, a Thalidomide-derived cereblon ligand, serves as the ligand for the recruitment of CRBN protein. It can be conjugated to the protein ligand via a linker to produce PROTACs.
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[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6262 mL	13.1309 mL	26.2619 mL
5 mM	0.5252 mL	2.6262 mL	5.2524 mL
10 mM	0.2626 mL	1.3131 mL	2.6262 mL
50 mM	0.0525 mL	0.2626 mL	0.5252 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.

Reference

Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-994.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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