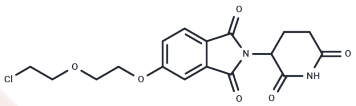
Data Sheet (Cat.No.T39721)

TargetMol

Thalidomide-5-PEG2-Cl

Chemical Properties



CAS No. : 2230956-57-5

Formula: C17H17ClN2O6

Molecular Weight: 380.78

Storage: Keep away from direct sunlight
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-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.
Targets(IC50)	Apoptosis,Others,Autophagy,E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs consist of two ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They utilize 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.

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

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

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