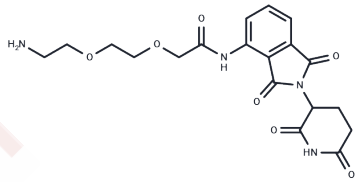
Data Sheet (Cat.No.T39950)

TargetMol

Thalidomide-amido-PEG2-NH2

Chemical Properties



CAS No. : 2380273-72-1

Formula: C19H22N4O7

Molecular Weight: 418.406

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-amido-PEG2-NH2 is a synthetic conjugate combining the Thalidomide-based cereblon ligand with a (PEG2)-NH2 linker, commonly used in PROTAC technology.
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs, comprising two distinct ligands linked together—one targeting an E3 ubiquitin ligase and the other the target protein—leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.390 mL	11.950 mL	23.900 mL
5 mM	0.478 mL	2.390 mL	4.780 mL
10 mM	0.239 mL	1.195 mL	2.390 mL
50 mM	0.0478 mL	0.239 mL	0.478 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.
Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27 (8):998-985.

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