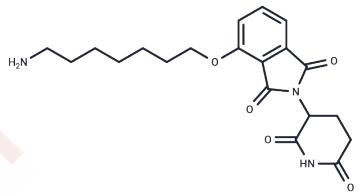
Data Sheet (Cat.No.T39511)

TargetMol

Thalidomide-O-C7-NH2

Chemical Properties



CAS No. : 2093536-11-7

Formula: C20H25N3O5

Molecular Weight: 387.436

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-O-C7-NH2 is a synthesized conjugate compound comprising an E3 ligase ligand-linker conjugate. This compound incorporates a cereblon ligand based on Thalidomide and a linker that is commonly employed in PROTAC technology.
Targets(IC50)	Apoptosis,Others,Autophagy,E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs consist of two ligands linked together: one targets an E3 ubiquitin ligase and the other targets the specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.581 mL	12.9052 mL	25.8104 mL
5 mM	0.5162 mL	2.581 mL	5.1621 mL
10 mM	0.2581 mL	1.2905 mL	2.581 mL
50 mM	0.0516 mL	0.2581 mL	0.5162 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):998-1008.

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