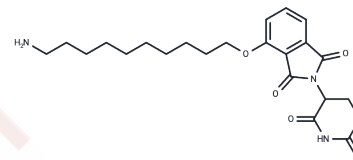


## Thalidomide-O-C10-NH2

## Chemical Properties

CAS No. :	1957236-08-6
Formula:	C23H31N3O5
Molecular Weight:	429.517
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Thalidomide-O-C10-NH2 is a synthetic E3 ligase ligand-linker conjugate combining a cereblon ligand derived from Thalidomide with a linker crucial for PROTAC technology.
Targets(IC50)	Apoptosis,Others,Autophagy,E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs consist of two ligands, one targeting an E3 ubiquitin ligase and the other a specific protein, connected by a linker; they leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3282 mL	11.6409 mL	23.2818 mL
5 mM	0.4656 mL	2.3282 mL	4.6564 mL
10 mM	0.2328 mL	1.1641 mL	2.3282 mL
50 mM	0.0466 mL	0.2328 mL	0.4656 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481