

## Thalidomide-O-amide-C5-NH2

## Chemical Properties

CAS No. : 2360527-40-6

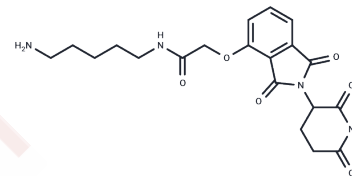
Formula: C20H24N4O6

Molecular Weight: 416.43

Keep away from direct sunlight

Storage: 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-amide-C5-NH2 is a chemically synthesized E3 ligase ligand-linker conjugate, combining a cereblon ligand derived from Thalidomide with a linker commonly employed in PROTAC technology.
Targets(IC50)	Apoptosis,Others,Autophagy,E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs consist of two ligands joined by a linker; one ligand targets an E3 ubiquitin ligase, while the other targets a specific protein. These compounds leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4014 mL	12.0068 mL	24.0136 mL
5 mM	0.4803 mL	2.4014 mL	4.8027 mL
10 mM	0.2401 mL	1.2007 mL	2.4014 mL
50 mM	0.048 mL	0.2401 mL	0.4803 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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