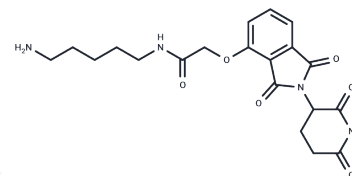


Thalidomide-O-amide-C5-NH2

Chemical Properties

CAS No. :	2360527-40-6
Formula:	C20H24N4O6
Molecular Weight:	416.43
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Thalidomide-O-amide-C5-NH2 is a chemically synthesized conjugate, serving as an E3 ligase ligand-linker, which combines a cereblon ligand derived from Thalidomide with a linker that is commonly employed in PROTAC technology.
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit 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.

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.

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