Data Sheet (Cat.No.T39952)



Pomalidomide-amino-PEG3-NH2

Chemical Properties

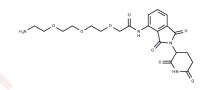
CAS No.: 2380273-74-3

Formula: C21H26N4O8

Molecular Weight: 462.459

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Pomalidomide-amino-PEG3-NH2 is a compound obtained through synthesis, consisting of a conjugation between the E3 ligase ligand linker and Pomalidomide, a cereblon ligand. This compound is specifically designed for application in PROTAC technology, incorporating a linker that enables effective binding with the targeted proteins.
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	2.1623 mL	10.8117 mL	21.6235 mL	
5 mM	0.4325 mL	2.1623 mL	4.3247 mL	
10 mM	0.2162 mL	1.0812 mL	2.1623 mL	
50 mM	0.0432 mL	0.2162 mL	0.4325 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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