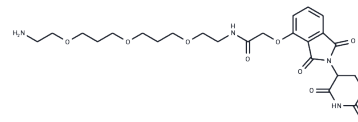


Thalidomide-O-amido-PEG1-(C1-PEG)2-C2-NH2

Chemical Properties

CAS No. :	2435572-48-6
Formula:	C25H34N4O9
Molecular Weight:	534.566
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Thalidomide-O-amido-PEG1-(C1-PEG)2-C2-NH2 is a synthetic conjugate compound that combines a Thalidomide-based cereblon ligand and a linker, which is commonly utilized in PROTAC technology. This compound acts as a connector between the target protein and the E3 ligase, facilitating targeted protein degradation.
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	1.8707 mL	9.3533 mL	18.7066 mL
5 mM	0.3741 mL	1.8707 mL	3.7413 mL
10 mM	0.1871 mL	0.9353 mL	1.8707 mL
50 mM	0.0374 mL	0.1871 mL	0.3741 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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