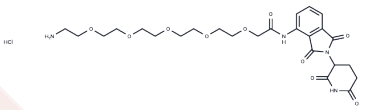
Data Sheet (Cat.No.T40085)

TargetMol

Pomalidomide-amino-PEG5-NH2 hydrochloride

Chemical Properties



CAS No. : 2421217-05-0

Formula: C25H35ClN4O10

Molecular Weight: 587.02

Storage: Keep away from direct sunlight
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	Pomalidomide-amino-PEG5-NH2 hydrochloride is a synthesized chemical compound that functions as an E3 ligase ligand-linker conjugate, combining a Pomalidomide-based cereblon ligand with a linker commonly used in PROTAC technology.
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs, comprising two ligands linked together—one binding to an E3 ubiquitin ligase and the other to the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7035 mL	8.5176 mL	17.0352 mL
5 mM	0.3407 mL	1.7035 mL	3.407 mL
10 mM	0.1704 mL	0.8518 mL	1.7035 mL
50 mM	0.0341 mL	0.1704 mL	0.3407 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481