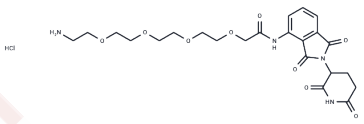
Data Sheet (Cat.No.T39867)

TargetMol

Pomalidomide-amino-PEG4-NH2 hydrochloride

Chemical Properties



CAS No. : 2331259-45-9

Formula: C23H31ClN4O9

Molecular Weight: 542.97

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-PEG4-NH2 hydrochloride, a synthesized E3 ligase ligand-linker conjugate, incorporates the cereblon ligand derived from Pomalidomide, along with a linker commonly employed 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 for selective protein degradation[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8417 mL	9.2086 mL	18.4172 mL
5 mM	0.3683 mL	1.8417 mL	3.6834 mL
10 mM	0.1842 mL	0.9209 mL	1.8417 mL
50 mM	0.0368 mL	0.1842 mL	0.3683 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