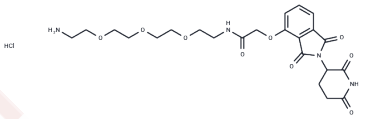
Data Sheet (Cat.No.T18820)

TargetMol

Thalidomide-O-amido-PEG3-C2-NH2 hydrochloride

Chemical Properties



CAS No. : 2245697-84-9

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	Thalidomide-O-amido-PEG3-C2-NH2 hydrochloride, a synthesized E3 ligase ligand-linker conjugate, incorporates a cereblon ligand derived from Thalidomide and a 3-unit PEG linker. This compound is specifically designed for use in PROTAC technology, which utilizes small molecules to induce protein degradation [1].
Targets(IC50)	Apoptosis,Others,Autophagy,E3 Ligase Ligand-Linker Conjugates
In vitro	Thalidomide-O-amido-PEG3-C2-NH2 hydrochloride, incorporating a Degron (E3 ubiquitin ligase) and a connecting linker, is crucial in PROTAC technology. It binds to the targeting ligand to facilitate the degradation of specific proteins, including BRD4, BRD2, and BRD3[1].

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

Methods to induce targeted protein degradation through bifunctional molecules. WO2017007612A1.

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