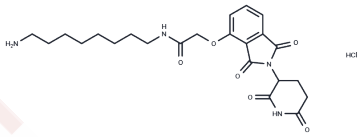
Data Sheet (Cat.No.T18817)

TargetMol

Thalidomide-O-amido-C8-NH2 hydrochloride

Chemical Properties



CAS No. :

Formula: C23H31ClN4O6

Molecular Weight: 494.97

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-C8-NH2 hydrochloride is a synthetic conjugate of an E3 ligase ligand-linker, which combines a cereblon ligand derived from Thalidomide and a linker. It can be utilized in the synthesis of PROTACs[1].
Targets(IC50)	Apoptosis,Others,Autophagy,E3 Ligase Ligand-Linker Conjugates
In vitro	Thalidomide-O-amido-C8-NH2 is a degron-linker (refer to Compound DL7-TL). The PROTAC linker is covalently bound to at least one degron and at least one targeting ligand, with the degron binding to an ubiquitin ligase (e.g., cereblon), and the targeting ligand binding to the targeted protein(s)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0203 mL	10.1016 mL	20.2032 mL
5 mM	0.4041 mL	2.0203 mL	4.0406 mL
10 mM	0.202 mL	1.0102 mL	2.0203 mL
50 mM	0.0404 mL	0.202 mL	0.4041 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

James Bradner, et al. Methods to induce targeted protein degradation through bifunctional molecules. WO 2017024317 A2.

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