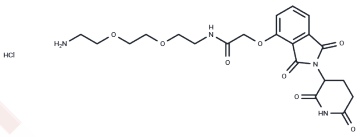
Data Sheet (Cat.No.T18819)

TargetMol

Thalidomide-O-amido-PEG2-C2-NH2 hydrochloride

Chemical Properties



CAS No. : 2376990-30-4

Formula: C21H27ClN4O8

Molecular Weight: 498.914

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-PEG2-C2-NH2 hydrochloride, incorporating an E3 ligase ligand and a linker, can be used as an immunomodulator for the treatment of cancer.
Targets(IC50)	Apoptosis,Autophagy,E3 Ligase Ligand-Linker Conjugates,Ligands for E3 Ligase
In vitro	PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins. 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[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0044 mL	10.0218 mL	20.0437 mL
5 mM	0.4009 mL	2.0044 mL	4.0087 mL
10 mM	0.2004 mL	1.0022 mL	2.0044 mL
50 mM	0.0401 mL	0.2004 mL	0.4009 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

Shaomeng Wang, et al. Monofunctional intermediates for ligand-dependent target protein degradation. WO2017176958A1

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