

Thalidomide-O-amido-C6-NH2 hydrochloride

Chemical Properties

CAS No. : 2376990-31-5

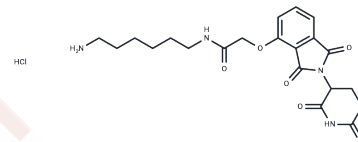
Formula: C₂₁H₂₇ClN₄O₆

Molecular Weight: 466.915

Keep away from direct sunlight

Storage: 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-C6-NH2 hydrochloride is a synthesized E3 ligase ligand-linker conjugate, integrating a Thalidomide-based cereblon ligand with a linker, suitable for PROTAC synthesis.
Targets(IC50)	Apoptosis, Autophagy, E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs comprise two distinct ligands linked together: one binds to an E3 ubiquitin ligase, while the other targets a specific protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1417 mL	10.7085 mL	21.4169 mL
5 mM	0.4283 mL	2.1417 mL	4.2834 mL
10 mM	0.2142 mL	1.0708 mL	2.1417 mL
50 mM	0.0428 mL	0.2142 mL	0.4283 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

Bradner J, et al. Targeted protein degradation to attenuate adoptive t-cell therapy associated adverse inflammatory responses. WO 2017024318 A1

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