

## Thalidomide-O-PEG4-amine

## Chemical Properties

CAS No. : 2401832-00-4

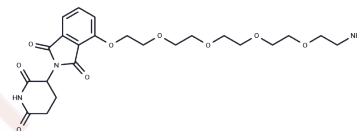
Formula: C<sub>23</sub>H<sub>31</sub>N<sub>3</sub>O<sub>9</sub>

Molecular Weight: 493.51

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-PEG4-amine is a PEG-based PROTAC linker used in the synthesis of PROTACs [1].
Targets(IC50)	Apoptosis,Others,Autophagy,E3 Ligase Ligand-Linker Conjugates,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0263 mL	10.1315 mL	20.263 mL
5 mM	0.4053 mL	2.0263 mL	4.0526 mL
10 mM	0.2026 mL	1.0132 mL	2.0263 mL
50 mM	0.0405 mL	0.2026 mL	0.4053 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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