

## Thalidomide-O-amido-PEG4-azide

## Chemical Properties

CAS No. : 2411681-89-3

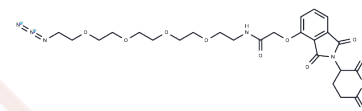
Formula: C<sub>25</sub>H<sub>32</sub>N<sub>6</sub>O<sub>10</sub>

Molecular Weight: 576.56

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-PEG4-azide is a polyethylene glycol (PEG) derivative used as a linker in the synthesis of Proteolysis Targeting Chimeras (PROTACs) [1].
Targets(IC50)	Apoptosis,Others,Autophagy,E3 Ligase Ligand-Linker Conjugates,PROTAC Linker
In vitro	PROTACs, consisting of two ligands connected by a linker—one for an E3 ubiquitin ligase and the other for the target protein, utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7344 mL	8.6721 mL	17.3442 mL
5 mM	0.3469 mL	1.7344 mL	3.4688 mL
10 mM	0.1734 mL	0.8672 mL	1.7344 mL
50 mM	0.0347 mL	0.1734 mL	0.3469 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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