

## Propargyl-PEG10-Boc

## Chemical Properties

CAS No. : 2055022-22-3

Formula: C<sub>28</sub>H<sub>52</sub>O<sub>12</sub>

Molecular Weight: 580.71



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	Propargyl-PEG10-Boc is a PEG-based linker for PROTACs, facilitating the conjugation of two essential ligands crucial for forming PROTAC molecules. This linker enables selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands joined by a linker: one ligand targets an E3 ubiquitin ligase and the other targets the specific protein. These compounds utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.722 mL	8.6101 mL	17.2203 mL
5 mM	0.3444 mL	1.722 mL	3.4441 mL
10 mM	0.1722 mL	0.861 mL	1.722 mL
50 mM	0.0344 mL	0.1722 mL	0.3444 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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