

## m-PEG16-azide

## Chemical Properties

CAS No. :

Formula: C33H67N3O16

Molecular Weight: 761.9

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	m-PEG16-azide is a PEG-based linker for PROTACs, facilitating the connection of two essential ligands necessary for PROTAC molecule formation. It enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands linked together: one binds to an E3 ubiquitin ligase, while the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade these target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3125 mL	6.5625 mL	13.1251 mL
5 mM	0.2625 mL	1.3125 mL	2.625 mL
10 mM	0.1313 mL	0.6563 mL	1.3125 mL
50 mM	0.0263 mL	0.1313 mL	0.2625 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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