

## m-PEG10-azide

## Chemical Properties

CAS No. : 2112738-12-0

Formula: C<sub>21</sub>H<sub>43</sub>N<sub>3</sub>O<sub>10</sub>

Molecular Weight: 497.58

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-PEG10-azide is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one binds to an E3 ubiquitin ligase, and the other to the target protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0097 mL	10.0486 mL	20.0973 mL
5 mM	0.4019 mL	2.0097 mL	4.0195 mL
10 mM	0.201 mL	1.0049 mL	2.0097 mL
50 mM	0.0402 mL	0.201 mL	0.4019 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

Lepage ML, et al. Design, synthesis and photochemical properties of the first examples of iminosugar clusters based on fluorescent cores. Beilstein J Org Chem. 2015 May 6;11:659-67.

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