

m-PEG4-propargyl

Chemical Properties

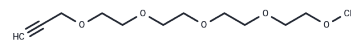
CAS No. : 1101668-39-6

Formula: C12H22O5

Molecular Weight: 246.3

Storage: Keep away from direct sunlight
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-PEG4-propargyl 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 by leveraging 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, while the other targets the desired protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs induce the selective degradation of target proteins.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0601 mL	20.3004 mL	40.6009 mL
5 mM	0.812 mL	4.0601 mL	8.1202 mL
10 mM	0.406 mL	2.030 mL	4.0601 mL
50 mM	0.0812 mL	0.406 mL	0.812 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 clustersbased on fluorescent cores. Beilstein J Org Chem. 2015 May 6;11:659-67.

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