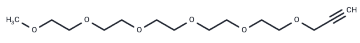
Data Sheet (Cat.No.T38494)

TargetMol

m-PEG5-Propyne

Chemical Properties



CAS No. : 1101668-41-0

Formula: C14H26O6

Molecular Weight: 290.356

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-PEG5-Propyne is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules, enabling 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 targets an E3 ubiquitin ligase, and the other binds the target protein. They leverage the intracellular ubiquitin-proteasome system to facilitate selective degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.444 mL	17.220 mL	34.440 mL
5 mM	0.6888 mL	3.444 mL	6.888 mL
10 mM	0.3444 mL	1.722 mL	3.444 mL
50 mM	0.0689 mL	0.3444 mL	0.6888 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

Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27 (8):998-1006.

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