

m-PEG3-Sulfone-PEG4-propargyl

Chemical Properties

CAS No. : 2055041-02-4

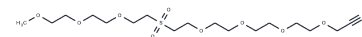
Formula: C18H34O9S

Molecular Weight: 426.52

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-PEG3-Sulfone-PEG4-propargyl is a polyethylene glycol (PEG)-based prodrug-induced degradation (PROTAC) linker utilized in the efficient synthesis of heterobifunctional molecules designed to selectively target and degrade specific protein targets[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3446 mL	11.7228 mL	23.4456 mL
5 mM	0.4689 mL	2.3446 mL	4.6891 mL
10 mM	0.2345 mL	1.1723 mL	2.3446 mL
50 mM	0.0469 mL	0.2345 mL	0.4689 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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