Data Sheet (Cat.No.T18574)

TargetMol

Propargyl-PEG17-methane

Chemical Properties

CAS No. : 2169967-47-7

Formula: C36H70O17

Molecular Weight: 774.93

Storage: Keep away from direct sunlight
Pure form: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Propargyl-PEG17-methane (MPEG16-Propyne) is a PEG-based PROTAC linker. Propargyl-PEG17-methane can be used in the synthesis of PROTACs.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two ligands joined by a linker: one ligand targets an E3 ubiquitin ligase and the other targets the desired protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2904 mL	6.4522 mL	12.9044 mL
5 mM	0.2581 mL	1.2904 mL	2.5809 mL
10 mM	0.129 mL	0.6452 mL	1.2904 mL
50 mM	0.0258 mL	0.129 mL	0.2581 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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