

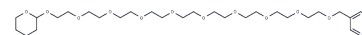
Benzyl-PEG9-THP

Chemical Properties

CAS No. : 669556-53-0

Formula: C30H52O11

Molecular Weight: 588.735



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	Benzyl-PEG9-THP is a PEG-based linker for PROTACs that connects two essential ligands, crucial for forming PROTAC molecules, enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two distinct ligands joined by a linker—one targeting an E3 ubiquitin ligase and the other a specific protein—leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6985 mL	8.4927 mL	16.9854 mL
5 mM	0.3397 mL	1.6985 mL	3.3971 mL
10 mM	0.1699 mL	0.8493 mL	1.6985 mL
50 mM	0.034 mL	0.1699 mL	0.3397 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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