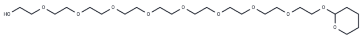
Data Sheet (Cat.No.T40780)

TargetMol

THP-PEG9-OH

Chemical Properties



CAS No. : 669556-83-6

Formula: C23H46O11

Molecular Weight: 498.61

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	THP-PEG9-OH is a PEG-based linker for PROTACs, facilitating the union of two essential ligands crucial for forming PROTAC molecules, and enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked by a connector: one ligand targets an E3 ubiquitin ligase, and the other targets the protein of interest. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively induce the degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0056 mL	10.0279 mL	20.0558 mL
5 mM	0.4011 mL	2.0056 mL	4.0112 mL
10 mM	0.2006 mL	1.0028 mL	2.0056 mL
50 mM	0.0401 mL	0.2006 mL	0.4011 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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