Data Sheet (Cat.No.T17083)



THP-PEG5-OH

Chemical Properties

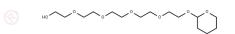
CAS No.: 146395-14-4

Formula: C15H30O7

Molecular Weight: 322.39

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	THP-PEG5-OH is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg	
1 mM	3.1018 mL	15.5092 mL	31.0183 mL	
5 mM	0.6204 mL	3.1018 mL	6.2037 mL	
10 mM	0.3102 mL	1.5509 mL	3.1018 mL	
50 mM	0.062 mL	0.3102 mL	0.6204 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.

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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