Data Sheet (Cat.No.T17619)

TargetMol

Bis-PEG14-acid

Chemical Properties

CAS No. :

Formula: C32H62O18

Molecular Weight: 734.82

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	Bis-PEG14-acid, a PEG-based linker for PROTACs, joins two essential ligands crucial for forming PROTAC molecules. This linker facilitates selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked by a connector: one ligand targets an E3 ubiquitin ligase and the other targets the specific protein. They utilize the intracellular ubiquitin-proteasome system for the selective degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3609 mL	6.8044 mL	13.6088 mL
5 mM	0.2722 mL	1.3609 mL	2.7218 mL
10 mM	0.1361 mL	0.6804 mL	1.3609 mL
50 mM	0.0272 mL	0.1361 mL	0.2722 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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