Data Sheet (Cat.No.T18173)

TargetMol

m-PEG25-acid

Chemical Properties

CAS No. :

Formula: C52H104O27

Molecular Weight: 1161.38

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	m-PEG25-acid is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules, enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two different ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade these target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.861 mL	4.3052 mL	8.6104 mL
5 mM	0.1722 mL	0.861 mL	1.7221 mL
10 mM	0.0861 mL	0.4305 mL	0.861 mL
50 mM	0.0172 mL	0.0861 mL	0.1722 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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