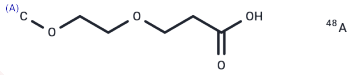
Data Sheet (Cat.No.T18207)

TargetMol

m-PEG49-acid

Chemical Properties



CAS No. :

Formula: C100H200O51

Molecular Weight: 2218.63

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-PEG49-acid, a PEG-based linker for PROTACs, connects two essential ligands crucial for forming PROTAC molecules and enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together, one binding to an E3 ubiquitin ligase and the other to the target protein. These compounds harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4507 mL	2.2536 mL	4.5073 mL
5 mM	0.0901 mL	0.4507 mL	0.9015 mL
10 mM	0.0451 mL	0.2254 mL	0.4507 mL
50 mM	0.009 mL	0.0451 mL	0.0901 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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