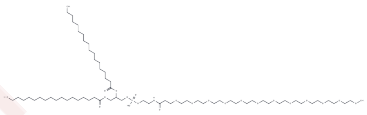
Data Sheet (Cat.No.T18138)

TargetMol

m-PEG12-DSPE

Chemical Properties



CAS No. :

Formula: C67H132NO21P

Molecular Weight: 1318.73

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-PEG12-DSPE is a PEG-based linker for PROTACs that connects two essential ligands, vital for forming PROTAC molecules, enabling selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are composed of two distinct ligands connected by a linker; one binds to an E3 ubiquitin ligase, while the other targets the protein of interest. PROTACs leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7583 mL	3.7915 mL	7.5831 mL
5 mM	0.1517 mL	0.7583 mL	1.5166 mL
10 mM	0.0758 mL	0.3792 mL	0.7583 mL
50 mM	0.0152 mL	0.0758 mL	0.1517 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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