

DSPE-PEG36-DBCO

Chemical Properties

CAS No. :

Formula: C133H240N3O47P

Molecular Weight: 2664.29

Keep away from direct sunlight

Storage: 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	DSPE-PEG36-DBCO, a PEG-based linker for PROTACs, connects two essential ligands necessary for forming PROTAC molecules, thereby facilitating selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are comprised of two distinct ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They harness the cellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3753 mL	1.8767 mL	3.7533 mL
5 mM	0.0751 mL	0.3753 mL	0.7507 mL
10 mM	0.0375 mL	0.1877 mL	0.3753 mL
50 mM	0.0075 mL	0.0375 mL	0.0751 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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