

## DSPE-PEG46-DBCO

## Chemical Properties

CAS No. :

Formula: C153H280N3O57P

Molecular Weight: 3104.82

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-PEG46-DBCO is a PEG-based linker for PROTACs, connecting two essential ligands to form PROTAC molecules, and enabling 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. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3221 mL	1.6104 mL	3.2208 mL
5 mM	0.0644 mL	0.3221 mL	0.6442 mL
10 mM	0.0322 mL	0.161 mL	0.3221 mL
50 mM	0.0064 mL	0.0322 mL	0.0644 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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