

## DSPE-PEG47-acid

## Chemical Properties

CAS No. :

Formula: C137H270NO58P

Molecular Weight: 2890.56

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-PEG47-acid is a PEG-based linker for PROTACs, joining two essential ligands necessary for forming PROTAC molecules and enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two distinct ligands connected by a linker—one for an E3 ubiquitin ligase and the other for the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.346 mL	1.7298 mL	3.4595 mL
5 mM	0.0692 mL	0.346 mL	0.6919 mL
10 mM	0.0346 mL	0.173 mL	0.346 mL
50 mM	0.0069 mL	0.0346 mL	0.0692 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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