

## DSPE-PEG46-Folate

## Chemical Properties

CAS No. :

Formula: C153H284N9O60P

Molecular Weight: 3240.89

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-Folate is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two ligands joined by a linker—one targeting an E3 ubiquitin ligase and the other the desired protein—harness the ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3086 mL	1.5428 mL	3.0856 mL
5 mM	0.0617 mL	0.3086 mL	0.6171 mL
10 mM	0.0309 mL	0.1543 mL	0.3086 mL
50 mM	0.0062 mL	0.0309 mL	0.0617 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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