

DSPE-PEG13-TFP ester

Chemical Properties

CAS No. :

Formula: C77H138F4NO24P

Molecular Weight: 1568.88

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-PEG13-TFP ester is a PEG-based linker for PROTACs, joining two essential ligands to facilitate the formation of PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two distinct ligands linked together—one targeting an E3 ubiquitin ligase and the other the target protein—utilize the intracellular ubiquitin-proteasome system for selective degradation of target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6374 mL	3.187 mL	6.374 mL
5 mM	0.1275 mL	0.6374 mL	1.2748 mL
10 mM	0.0637 mL	0.3187 mL	0.6374 mL
50 mM	0.0127 mL	0.0637 mL	0.1275 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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