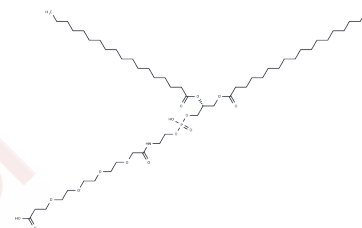


## DSPE-PEG4-acid

## Chemical Properties

CAS No. :	2112738-58-4
Formula:	C52H100NO15P
Molecular Weight:	1010.32
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	DSPE-PEG4-acid is a PEG-based linker (for PROTACs) that connects two essential ligands, playing a crucial role in the formation of PROTAC molecules, and facilitating selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs contain two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9898 mL	4.9489 mL	9.8979 mL
5 mM	0.198 mL	0.9898 mL	1.9796 mL
10 mM	0.099 mL	0.4949 mL	0.9898 mL
50 mM	0.0198 mL	0.099 mL	0.198 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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