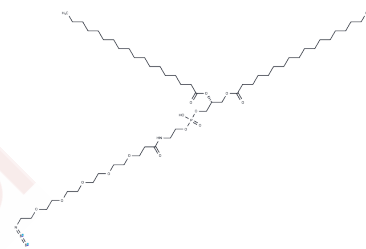


## DSPE-PEG5-azide

## Chemical Properties

CAS No. :	2112737-73-0
Formula:	C54H105N4O14P
Molecular Weight:	1065.4
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-PEG5-azide, a PEG-based linker for PROTACs, connects two essential ligands necessary for forming PROTAC molecules, facilitating selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9386 mL	4.6931 mL	9.3861 mL
5 mM	0.1877 mL	0.9386 mL	1.8772 mL
10 mM	0.0939 mL	0.4693 mL	0.9386 mL
50 mM	0.0188 mL	0.0939 mL	0.1877 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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