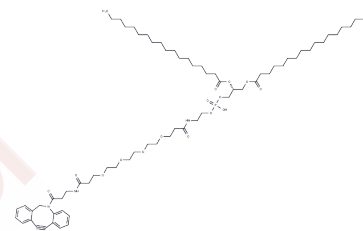


DSPE-PEG4-DBCO

Chemical Properties

CAS No. :	2112738-14-2
Formula:	C71H116N3O15P
Molecular Weight:	1282.67
Storage:	Store at low temperature 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-DBCO is a PEG-based linker for PROTACs that joins two essential ligands, essential for forming PROTAC molecules, enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs, composed of two ligands linked together—one targeting an E3 ubiquitin ligase and the other targeting the desired protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7796 mL	3.8981 mL	7.7962 mL
5 mM	0.1559 mL	0.7796 mL	1.5592 mL
10 mM	0.078 mL	0.3898 mL	0.7796 mL
50 mM	0.0156 mL	0.078 mL	0.1559 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481