

DSPE-PEG-CH<sub>2</sub>COOH (MW 5000)

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight  
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-PEG-CH <sub>2</sub> COOH (MW 5000) is a polyethylene glycol (PEG)-based proteolysis targeting chimera (PROTAC) linker. It serves as an essential component in the synthesis of PROTACs, enabling the targeted degradation of specific proteins[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two ligands joined by a linker—one for E3 ubiquitin ligase and the other for the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## 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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