

DSPE-PEG-Biotin (MW 2000)

Chemical Properties

CAS No. : 385437-57-0

Formula:

Molecular Weight:

Storage: Store at low temperature, Keep away from moisture,
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-Biotin (MW 2000) is a PEG-based PROTAC linker for PROTAC synthesis.
Targets(IC50)	Liposome
In vitro	PROTACs consist of two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

Solubility Information

Solubility	DMSO: 49 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 4.9 mg/mL, Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

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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