

DSPE-PEG-NHS, MW 2000

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: 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-NHS, MW 2000 is a polyethylene glycol-modified phospholipid derivative widely used in liposome preparation. It is often used as a cross-linking arm to functionalize the liposome surface, thereby endowing the carrier with targeted delivery properties. At present, it is mostly used in basic and applied research related to drug delivery systems.
Targets(IC50)	Liposome
In vitro	DSPE-PEG-NHS, MW 2000 is an amphiphilic polymer possessing both DSPE and PEG moieties, as well as an NHS reactive group. With excellent biocompatibility and low cytotoxicity, DSPE-PEG-NHS (MW 2000) is widely applied in the modification of drug delivery systems and pharmaceutical formulation development [1].

Solubility Information

Solubility	DMSO: 80 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

- Zhang X, et al. The study on brain targeting of the amphotericin B liposomes. J Drug Target. 2003 Feb;11(2):117-22.
- Zhao W, et al. DSPE-PEG Modification of α -Conotoxin TxID. Mar Drugs. 2019 Jun 8;17(6):342.

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