

DSPE-PEG-SH (MW 2000)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

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| Description | DSPE-PEG-SH (MW 2000) is a polyethylene glycol-modified phospholipid with a terminal reactive thiol group capable of forming covalent thioether linkages with Maleimide-containing molecules. DSPE-PEG-SH (MW 2000) self-assembles into amphiphilic lipid bilayers in aqueous solutions and is employed in drug delivery research, including the encapsulation of nucleic acids, peptides, and small molecules, as well as in mRNA vaccine formulations. |
| Targets(IC50) | Others,Liposome |

Solubility Information

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| Solubility | H2O: 6.5 mg/mL,Sonication is recommended. DMSO: 5 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
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Reference

Gao Y, et al. DSPE-PEG polymers for improving pulmonary absorption of poorly absorbed macromolecules in rats and relative mechanism. Drug Dev Ind Pharm. 2021;47(2):337-346.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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