Data Sheet (Cat.No.T74229)

TargetMol

DSPE-PEG 2000

Chemical Properties

CAS No. : 892144-24-0

Formula: (C2H4O)nC42H82NO10P

Molecular Weight:

Storage: Keep away from direct sunlight,Keep away from moisture,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

Description	DSPE-PEG 2000 is a non-toxic and biodegradable amphiphilic copolymer that can be used to form micelles to deliver nanoparticles.
Targets(IC50)	Liposome

Solubility Information

Solubility	DMSO: 60 mg/mL,Sonication is recommended. Ethanol: 20 mg/mL,Sonication is recommended. H2O: 20 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL,Sonication is recommended. *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.*

Reference

Kastantin M, et al. Effect of the lipid chain melting transition on the stability of DSPE-PEG(2000) micelles. Langmuir. 2009 Jul 7;25(13):7279-86.

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