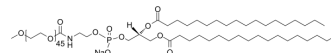


PEG2000-DSPE

Cat. No.: HY-112760
Molecular Formula: C₄₅H₈₇NNaO₁₁P
Molecular Weight: 2808.74
Target: Others
Pathway: Others
Storage: 4°C, sealed storage, away from moisture and light
 * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (8.90 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		0.3560 mL	1.7802 mL	3.5603 mL
		5 mM		0.0712 mL	0.3560 mL	0.7121 mL
		10 mM		---	---	---
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (0.45 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (0.45 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	PEG2000-DSPE can be used for the preparation of stabilized nucleic acid-lipid particlipid particles (SNALPs). SNALPs represent some of the earliest and best functional siRNA-ABC nanoparticles described ^[1] .
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REFERENCES

[1]. Miller AD. Delivery of RNAi therapeutics: work in progress. Expert Rev Med Devices. 2013;10(6):781-811.

Caution: Product has not been fully validated for medical applications. For research use only.

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