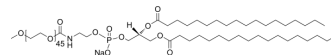


PEG2000-DSPE

Cat. No.:	HY-112760
CAS No.:	247925-28-6
Molecular Formula:	C ₄₅ H ₈₇ NNaO ₁₁ P
Molecular Weight:	2808.74
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
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 : 10 mg/mL (3.56 mM); ultrasonic and warming and heat to 60°C																			
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>0.3560 mL</td> <td>1.7802 mL</td> <td>3.5603 mL</td> </tr> <tr> <td>5 mM</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>10 mM</td> <td>---</td> <td>---</td> <td>---</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	1 mM	0.3560 mL	1.7802 mL	3.5603 mL	5 mM	---	---	---	10 mM	---	---	---
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	Please refer to the solubility information to select the appropriate solvent.																			
In Vivo	<ol style="list-style-type: none"> 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 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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