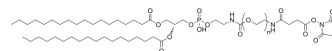


DSPE-PEG-NHS, MW 3400

Cat. No.:	HY-W441015		
Target:	Liposome		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 5 mg/mL (ultrasonic and warming and heat to 60°C)
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 0.5 mg/mL (Infinity mM); Clear solution
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 0.5 mg/mL (Infinity mM); Clear solution
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 0.5 mg/mL (Infinity mM); Clear solution

BIOLOGICAL ACTIVITY

Description	DSPE-PEG-NHS, MW 3400 is a pegylated phospholipid derivatives which can be used to prepare liposome or lipid nanoparticles for targeted drug delivery system, such as DNA or mRNA vaccine.
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REFERENCES

[1]. Zhang X, Xie Y, Jin Y, Hou X, Ye L, Lou J. The effect of RMP-7 and its derivative on transporting Evans blue liposomes into the brain. Drug Deliv. 2004;11(5):301-309.

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

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