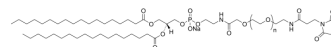


DSPE-PEG2000-Maleimide

Cat. No.:	HY-140739
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMF : 50 mg/mL (ultrasonic and warming and heat to 60°C) DMSO : 12.5 mg/mL (ultrasonic and warming and heat to 60°C)
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 (Infinity mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (Infinity mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (Infinity mM); Clear solution

BIOLOGICAL ACTIVITY

Description	DSPE-PEG2000-Maleimide is a PEG compound which composed of DSPE and maleimide groups. DSPE-PEG2000-Maleimide can be used for compose liposomes ^[1] .
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CUSTOMER VALIDATION

- Compos Part B-Eng. 2023 Oct 15, 111047.

See more customer validations on www.MedChemExpress.com

REFERENCES

- Gao J, Liu W, Xia Y, et al. The promotion of siRNA delivery to breast cancer overexpressing epidermal growth factor receptor through anti-EGFR antibody conjugation by immunoliposomes. *Biomaterials*. 2011;32(13):3459-3470.
- Nallamothe R, et al. A targeted liposome delivery system for combretastatin A4: formulation optimization through drug loading and in vitro release studies. *PDA J*

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

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