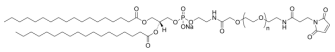
# DSPE-PEG2000-Maleimide

**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

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|---|---|
| **In Vitro** | DMF : 50 mg/mL (ultrasonic and warming and heat to 60°C)<br>DMSO : 12.5 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<br>Solubility: ≥ 1.25 mg/mL (Infinity mM); Clear solution<br>2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 1.25 mg/mL (Infinity mM); Clear solution<br>3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 1.25 mg/mL (Infinity mM); Clear solution |

## BIOLOGICAL ACTIVITY

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| **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]. |

## CUSTOMER VALIDATION

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

See more customer validations on www.MedChemExpress.com

## REFERENCES

[1]. 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.

[2]. Nallamothu R, et al. A targeted liposome delivery system for combretastatin A4: formulation optimization through drug loading and in vitro release studies. PDA J

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA