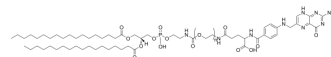


DSPE-PEG-Folate, MW 5000

Cat. No.:	HY-W440890	
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 : 100 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution

BIOLOGICAL ACTIVITY

Description	DSPE-PEG-Folate, MW 5000 is a PEG derivative containing folic acid. DSPE-PEG-Folate, MW 5000 has a targeting effect and bind to folate receptors in cancer cells. DSPE-PEG-Folate, MW 5000 form micelles/lipid bilayer and can be used to targeted drug delivery system research ^{[1][2]} .
-------------	--

REFERENCES

[1]. Werner ME, et, al. Folate-targeted nanoparticle delivery of chemo- and radiotherapeutics for the treatment of ovarian cancer peritoneal metastasis. *Biomaterials*. 2011 Nov;32(33):8548-54.

[2]. Li Y, et, al. Self-Assembled Nanoparticles Based on Amphiphilic Anticancer Drug-Phospholipid Complex for Targeted Drug Delivery and Intracellular Dual-Controlled Release. *ACS Appl Mater Interfaces*. 2015 Aug 19;7(32):17573-81.

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

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