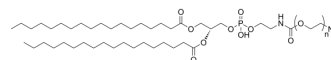


DSPE-PEG-Azide, MW 2000

Cat. No.:	HY-W440832		
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 (ultrasonic and warming and heat to 60°C) Ethanol : 1 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: ≥ 2.5 mg/mL (Infinity mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution

BIOLOGICAL ACTIVITY

Description	<p>DSPE-PEG-Azide, MW 2000 is an azide containing lipid that can be used to form micelles as nanoparticles for drug delivery^[1]. DSPE-PEG-Azide, MW 2000 is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.</p>
-------------	--

REFERENCES

[1]. Matthew R Warren , et al. Milk exosomes with enhanced mucus penetrability for oral delivery of siRNA. Biomater Sci. 2021 Jun 15;9(12):4260-4277.

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