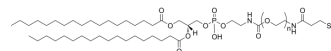


DSPE-PEG-SH, MW 2000

Cat. No.:	HY-W440896		
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	H ₂ O : 8.33 mg/mL (ultrasonic and warming and heat to 60°C)
	DMSO : 6.67 mg/mL (ultrasonic and warming and heat to 60°C)

BIOLOGICAL ACTIVITY

Description	DSPE-PEG-SH, MW 2000 is a pegylated phospholipid with thiol group which is reactive with maleimide to form a covalent thioether linkage. The amphiphatic polymer can form lipid bilayer in aqueous solution and be used to encapsulate agents for drug delivery system, such as mRNA vaccine.
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REFERENCES

[1]. Gao Y, Sun Y, Liao G, Zhang H, Long Q. DSPE-PEG polymers for improving pulmonary absorption of poorly absorbed macromolecules in rats and relative mechanism. Drug Dev Ind Pharm. 2021;47(2):337-346.

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

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