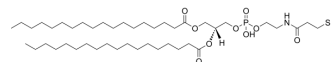


## DSPE-Thiol

<b>Cat. No.:</b>	HY-W441004
<b>CAS No.:</b>	144735-82-0
<b>Molecular Formula:</b>	C <sub>44</sub> H <sub>86</sub> NO <sub>9</sub> PS
<b>Molecular Weight:</b>	836.19
<b>Target:</b>	Liposome
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



## SOLVENT & SOLUBILITY

### In Vitro

DMF : 2 mg/mL (2.39 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.1959 mL	5.9795 mL	11.9590 mL
	5 mM	---	---	---
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

## BIOLOGICAL ACTIVITY

### Description

DSPE-Thiol is a phospholipid capped with thiol group. The thiol capped head can selectively react with maleimide. DSPE-Thiol can also be used for the preparation of phospholipid dimers<sup>[1]</sup>.

## REFERENCES

[1]. Sharon M, et al. Nearest-neighbor recognition in phospholipid membranes: a molecular-level approach to the study of membrane suprastructure. J. Am. Chem. Soc. 1992, 114, 25, 9828-9835.

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

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