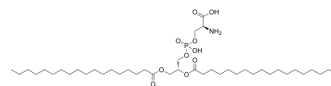


Distearoylphosphatidylserine

Cat. No.: HY-N4254
CAS No.: 51446-62-9
Molecular Formula: C₄₂H₈₂NO₁₀P
Molecular Weight: 792.07
Target: Liposome
Pathway: Metabolic Enzyme/Protease
Storage: -20°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 3.12 mg/mL (3.94 mM); ultrasonic and warming and adjust pH to 3 with HCl and heat to 60°C

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.2625 mL	6.3126 mL	12.6251 mL
	5 mM	---	---	---
	10 mM	---	---	---
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Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Distearoylphosphatidylserine (DSPS) acts as a monolayer. Phosphatidylserine is a phospholipid with a polar serine found in phosphoester linkage to diacylglycerol^[1].

REFERENCES

[1]. A Varnier Agasøster, et al. Chlorpromazine associates with phosphatidylserines to cause an increase in the lipid's own interfacial molecular area--role of the fatty acyl composition. Biophys Chem. 2001 Jun 15;91(1):37-47.

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

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