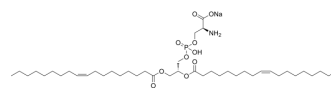


1,2-Dioleoyl-sn-glycero-3-phospho-L-serine sodium

Cat. No.:	HY-141613
CAS No.:	90693-88-2
Molecular Formula:	C ₄₂ H ₇₇ NNaO ₁₀ P
Molecular Weight:	810.03
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 2 mg/mL (2.47 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	1.2345 mL	6.1726 mL	12.3452 mL
	5 mM	---	---	---
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

1,2-Dioleoyl-sn-glycero-3-phospho-L-serine sodium is a substitute for Phosphoserine/phosphatidylserine. 1,2-Dioleoyl-sn-glycero-3-phospho-L-serine sodium can be used in lipid mixtures with DOPC and DOPE as effective nontoxic and nonviral DNA vectors^[1].

REFERENCES

[1]. Barrán-Berdón AL, et, al. Langmuir. Ca(2+)-mediated anionic lipid-plasmid DNA lipoplexes. Electrochemical, structural, and biochemical studies. 2014 Oct 7;30(39):11704-13.

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

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