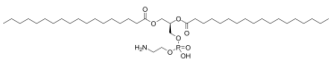
1,2-Distearoyl-sn-glycero-3-phosphorylethanolamine

Cat. No.:	HY-112530
CAS No.:	1069-79-0
Molecular Formula:	$C_{41}H_{82}NO_8P$
Molecular Weight:	748.07
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



BIOLOGICAL ACTIVITY

Description	1,2-Distearoyl-sn-glycero-3-phosphorylethanolamine (DSPE) is a phosphoethanolamine (PE) lipid that can be used in the synthesis of liposomes[1].
IC_{50} & Target	Human Endogenous Metabolite
In Vitro	1,2-Distearoyl-sn-glycero-3-phosphorylethanolamine (DSPE), one of many phosphoethanolamine (PE) lipids, cannot sustain a lamellar form at pH values below -8.5, the pKa of the ethanolamine moiety[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. McCarley RL, et al. Redox-responsive delivery systems. Annu Rev Anal Chem (Palo Alto Calif). 2012;5:391-411.

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