

18:1 PEG-PE

Chemical Properties

CAS No. : 474922-90-2
Formula: $(C_2H_4O)_n C_{43}H_{80}NO_{10}P.NH_3$
Molecular Weight:
Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	18:1 PEG-PE is a PEGylated phospholipid functional end group for liposome synthesis, commonly used in the structural design of conjugated polymer nanoparticles.
Targets(IC50)	Liposome

Solubility Information

Solubility	DMSO: 80 mg/mL, Sonication is recommended. Ethanol: 32 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Andresen TL, et al. Compositional inhomogeneity of drug delivery liposomes quantified at the single liposome level. Acta Biomater. 2020 Dec;118:207-214.

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