

Product Data Sheet

Product Name: N-Palmitoyl-DPPE (triethylammonium salt)

Cat. No.: GC92083

Chemical Properties

Cas. No.

Chemical Name hexadecanoic acid, (1R)-1-(3-hydroxy-3-oxido-8-oxo-2,4-dioxo-7-aza-3-phosphatricos-1-yl)-1,2-ethanediyl ester, monotriethylammonium salt

SMILES CCCCCCCCCCCCCCCC(O[C@H](COC(CCCCCCCCCCCCCCCC)=O)COP(OCCNC(CCCCCCCCCCCCCCCC)=O)([O-])=O.O.CC[NH+](CC)CC

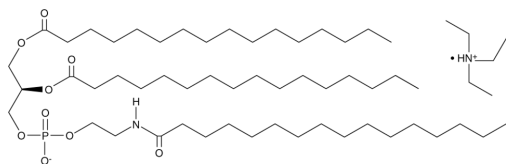
Formula $C_{53}H_{103}NO_9P \cdot C_6H_{16}N$ M.Wt 1031.6

Solubility Chloroform: 5 mg/ml Storage $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

N-Palmitoyl-DPPE is an N-acyl-phosphatidylethanolamine (NAPE).¹

References:

[1]. Dosoky, N.S., Guo, L., Chen, Z., et al. Dietary fatty acids control the species of N-acyl-phosphatidylethanolamines synthesized by therapeutically modified bacteria in the intestinal tract ACS Infect. Dis. 4(1)3-13(2018).

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

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