

Product Data Sheet

Product Name: DPPE-MPEG(2000)

Cat. No.: GC49327

Chemical Properties

Cas. No. 459429-07-3

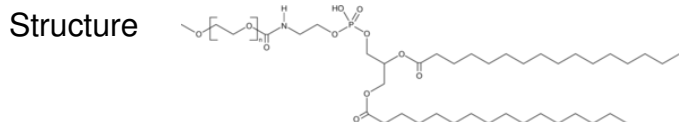
SMILES O=[P](OCCNC(OCCOC)=O)(O)OCC(COC(CCCCCCCCCCCCCCCC)=O)OC(CCCCCCCCCCCCCCCC)=O

Formula (C₂H₄O)_nC₃₉H₇₆NO₁₀P M.Wt 794.1

Solubility Chloroform: soluble, DMF: 15 mg/ml, DMSO: insol, Ethanol: 10 mg/ml, PBS (pH 7.2): insol Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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.



Background

DPPE-MPEG(2000) is a PEGylated form of 1,2-dipalmitoyl-*rac*-glycero-3-PE (DPPE). It has been used in the synthesis of anionic liposomes for drug redistribution and toxicity prevention.^{1,2}

1. Howell, B.A., and Chauhan, A. Bupivacaine binding to pegylated liposomes. *Anesth. Analg.* 109(2):678-682 (2009)
2. Howell, B.A., and Chauhan, A. Binding of imipramine, dosulepin, and opipramol to liposomes for overdose treatment. *J. Pharm. Sci.* 98(10):3718-3729 (2009)

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

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