
Product Data Sheet

Product Name: 1,2-Dihexadecyl-sn-glycero-3-PC

Cat. No.: GC18275

Chemical Properties

Cas. No. 36314-47-3

Chemical Name (7R)-7-(hexadecyloxy)-4-hydroxy-N,N,N-trimethyl-3,5,9-trioxa-4-phosphapentacosan-1-aminium, 4-oxide, inner salt

SMILES [O-]P(OC[C@H](OCCCCCCCCCCCCCCCCC)COCCCCCCCCCCCCCCCCC)(OCC[N+](C)(C)C)=OFormula C₄₀H₈₄NO₆P M.Wt 706.1

Solubility Ethanol: 30 mg/ml Storage Store at -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.

Structure **Background**

1,2-Dihexadecyl-sn-glycero-3-PC is a synthetic ether-linked phospholipid containing hexadecyl groups at the sn-1 and sn-2 positions. It is commonly used in the generation of liposomes and artificial membranes to study membrane dynamics.

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

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