

Product Data Sheet

Product Name: 1,2-Didecanoyl PC

Cat. No.: GC41788

Chemical Properties

Cas. No. 3436-44-0

SMILES CCCCCCCCC(=O)OC[C@H](COP(=O)(O)OCC[N](C)(C)C)OC(=O)CCCCCCCCC

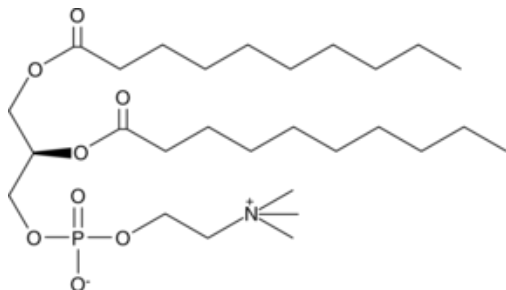
Formula $C_{28}H_{56}NO_8P$ M.Wt 565.7

Solubility Ethanol: 30 mg/ml, DMF: 20 mg/ml, DMSO: 20 mg/ml, Ethanol: PBS (pH 7.2) (1:1): 0.5 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

Phosphatidylcholine species are a common class of phospholipids that comprise the mammalian cell membrane. 1,2-Didecanoyl PC is a synthetic, less hydrophobic phospholipid that has been found to be useful for enhancing the absorption of peptide drugs and hormones such as insulin. Thus, the bioavailability of intranasally applied human growth hormone is enhanced when coadministered with the absorption enhancer 1,2-didecanoyl PC.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA