
Product Data Sheet

Product Name: Tetradecylphosphocholine

Cat. No.: GC18340

Chemical Properties

Cas. No. 77733-28-9

Chemical Name 2-[[hydroxy(tetradecyloxy)phosphinyl]oxy]-N,N,N-trimethyl-ethanaminium, inner salt

SMILES C[N+](C)(C)CCOP(OCCCCCCCCCCCCC)([O-])=OFormula $C_{19}H_{42}NO_4P$ M.Wt 379.5

Solubility DMF: 16 mg/ml, DMSO: 16 mg/ml, Ethanol: 15 mg/ml, PBS (pH 7.2): 25 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**

Tetradecylphosphocholine is a zwitterionic surfactant. It has been used in the solubilization and purification of G protein-coupled receptors (GPCRs). It has also been used as the stationary phase in ion chromatography for the determination of inorganic acids. Tetradecylphosphocholine has a critical micelle concentration (CMC) of approximately 0.12 mM.

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

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