
Product Data Sheet

Product Name: 1,2-Dipalmitoyl Ethylene Glycol

Cat. No.: GC18534

Chemical Properties

Cas. No. 624-03-3

Chemical Name hexadecanoic acid, 1,1'-(1,2-ethanediyl) ester

SMILES CCCCCCCCCCCCCCCCCC(OCCOC(CCCCCCCCCCCCCCCC)=O)=OFormula $C_{34}H_{66}O_4$ M.Wt 538.9

Solubility Chloroform: 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-Dipalmitoyl ethylene glycol is a fatty acid ester. It has been used in the manufacture of plastics, moldable flame-retardant resin compositions, and as a component of antifouling paint. 1,2-Dipalmitoyl ethylene glycol can migrate out of plastics but is not toxic to rats during prenatal development when administered at a dose of 900 mg/kg per day. Formulations containing 1,2-dipalmitoyl ethylene glycol have been used in a variety of cosmetic and personal care products.

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

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