

Product Data Sheet

Product Name: 1,2,3-Tripentadecanoyl-rac-glycerol

Cat. No.: GC45287

Chemical Properties

Cas. No. 7370-46-9

SMILES O=C(OCC(OC(CCCCCCCCCCCCCCCC)=O)COC(CCCCCCCCCCCCCCCC)=O)CCCCCCCCCCCCCCC

Formula C₄₈H₉₂O₆

M.Wt 765.2

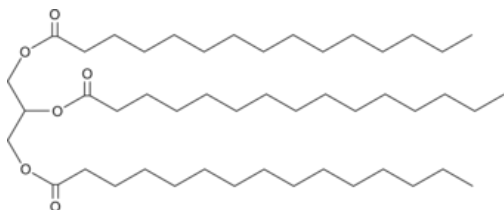
Solubility DMF: 10 mg/ml

Storage Store at -20°C

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

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

1,2,3-Tripentadecanoyl-rac-glycerol is a triacylglycerol that contains pentadecanoic acid at the sn-1, sn-2, and sn-3 positions. It has been found in various grapes.¹ 1,2,3-Tripentadecanoyl-rac-glycerol has been used as a standard for the detection of triacylglycerols in human plasma by LC-MS.²

References

1. Della Corte, A., Chitarrini, G., Di Gangi, I.M., et al. A rapid LC-MS/MS method for quantitative profiling of fatty acids, sterols, glycerolipids, glycerophospholipids and sphingolipids in grapes. *Talanta* 140, 52-61 (2015).
2. Castro-Perez, J.M., Kamphorst, J., DeGroot, J., et al. Comprehensive LC-MSE lipidomic analysis using a shotgun approach and its application to biomarker detection and identification in osteoarthritis patients. *J. Proteome. Res.* 9(5), 2377-2389 (2010).

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

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