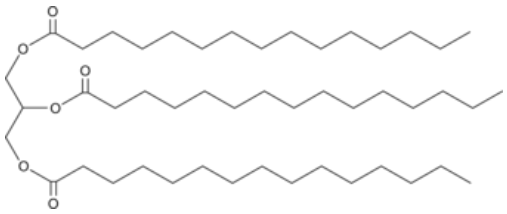
Product Data Sheet

Product Name: 1,2,3-Tripentadecanoyl-rac-glycerol
Cat. No.: GC45287

Chemical Properties

Cas. No.	7370-46-9		
SMILES	O=C(OCC(OC(CCCCCCCCCCCCCC)=O)COC(CCCCCCCCCCCCCC)=O)CCCCCCCCCCCCCC		
Formula	C48H92O6	M.Wt	765.2
Solubility	DMF: 10 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

1,2,3-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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