

Product Data Sheet

Product Name: 1-Linoleoyl-3-Palmitoyl-rac-glycerol

Cat. No.: GC45699

Chemical Properties

Cas. No. 99032-71-0

SMILES O=C(OCC(O)COC(CCCCCCCCCCCCCC)=O)CCCCCCC/C=C\C/C=C\CCCCC

Formula C37H68O5

M.Wt 592.9

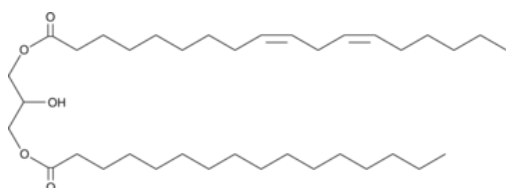
Solubility DMF: 10 mg/ml, Ethanol: 10 mg/ml, Ethanol: PBS (pH 7.2) (1:1): 0.5 mg/ml

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

1-Linoleoyl-3-palmitoyl-rac-glycerol is a diacylglycerol that contains linoleic acid at the sn-1 position and palmitic acid at the sn-3 position. It has been found in wheat bran extracts and dry-cured, but not raw, Iberian ham.^{1,2}

[1. Prinsen, P., Gutiérrez, A., Faulds, C.B., et al. Comprehensive study of valuable lipophilic phytochemicals in wheat bran. J. Agric. Food Chem. 62(7), 1664-1673 (2014).] [2. Narváez-Rivas, M., Vicario, I.M., Constante, E.G., et al. Changes in the concentrations of free fatty acid, monoacylglycerol, and diacylglycerol in the subcutaneous fat of Iberian ham during the dry-curing process. J. Agric. Food Chem. 55(26), 10953-10961 (2007).]

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