

PRODUCT INFORMATION



1,2-Dipalmitoyl-3-Arachidonoyl-rac-glycerol

Item No. 27161

CAS Registry No.: 263386-70-5

Formal Name: 5Z,8Z,11Z,14Z-eicosatetraenoic acid, 2,3-bis[(1-oxohexadecyl)oxy]propyl ester

Synonyms: 1,2-Palmitin-3-Arachidonin, 16:0/16:0/20:4-TG, TG(16:0/16:0/20:4)

MF: C₅₅H₉₈O₆

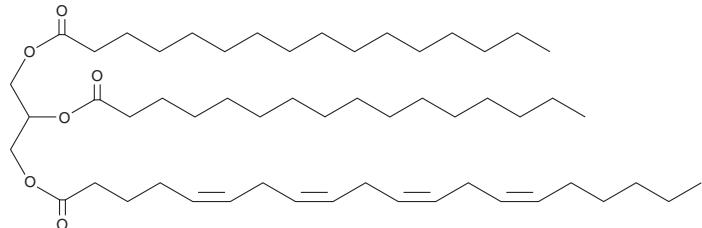
FW: 855.4

Purity: ≥98%

Supplied as: A solution in methyl acetate

Storage: -80°C

Stability: ≥1 year



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

1,2-Dipalmitoyl-3-arachidonoyl-rac-glycerol is supplied as a solution in methyl acetate. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. 1,2-Dipalmitoyl-3-arachidonoyl-rac-glycerol is soluble in organic solvents such as ethanol and dimethyl formamide, which should be purged with an inert gas. The solubility of 1,2-dipalmitoyl-3-arachidonoyl-rac-glycerol in these solvents is approximately 10 mg/ml.

1,2-Dipalmitoyl-3-arachidonoyl-rac-glycerol is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, 1,2-dipalmitoyl-3-arachidonoyl-rac-glycerol should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. 1,2-Dipalmitoyl-3-arachidonoyl-rac-glycerol has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

1,2-Dipalmitoyl-3-arachidonoyl-rac-glycerol is a triacylglycerol containing palmitic acid (Item No. 10006627) at the *sn*-1 and *sn*-2 positions and arachidonic acid (Item Nos. 90010 | 90010.1 | 10006607) at the *sn*-3 position.

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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