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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION

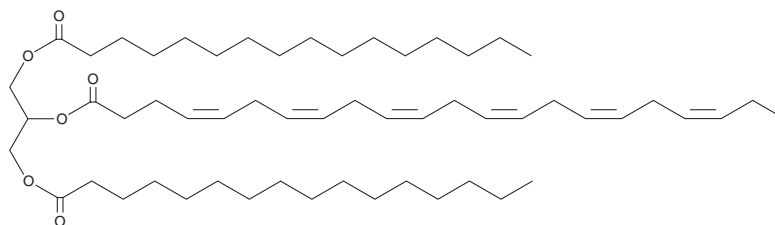


1,3-Dipalmitoyl-2-Docosahexaenoyl-glycerol

Item No. 26988

CAS Registry No.: 214038-32-1
Formal Name: 4Z,7Z,10Z,13Z,16Z,19Z-docosahexaenoic acid, 2-[[[1-oxohexadecyl]oxy]-1-[[[1-oxohexadecyl]oxy]methyl]ethyl ester
Synonyms: 1,3-Palmitin-2-Docoahexaenoin, 16:0/22:6/16:0-TG, TG(16:0/22:6/16:0)

MF: C₅₇H₉₈O₆
FW: 879.4
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

1,3-Dipalmitoyl-2-docosahexaenoyl-glycerol is supplied as a solid. A stock solution may be made by dissolving the 1,3-dipalmitoyl-2-docosahexaenoyl-glycerol in the solvent of choice. 1,3-Dipalmitoyl-2-docosahexaenoyl-glycerol is soluble in organic solvents such as ethanol and dimethyl formamide, which should be purged with an inert gas. The solubility of 1,3-dipalmitoyl-2-docosahexaenoyl-glycerol in these solvents is approximately 10 mg/ml. 1,3-Dipalmitoyl-2-docosahexaenoyl-glycerol is also slightly soluble in chloroform.

Description

1,3-Dipalmitoyl-2-docosahexaenoyl-glycerol is a triacylglycerol that contains palmitic acid (Item No. 10006627) at the *sn*-1 and *sn*-3 positions and docosahexaenoic acid (Item No. 90310) at the *sn*-2 position. Dietary administration of 1,3-dipalmitoyl-2-docosahexaenoyl-glycerol (30 g/kg) reduces hepatic triglyceride and cholesterol levels in mice.¹

Reference

1. Yoshinaga, K., Sasaki, K., Watanabe, H., *et al.* Differential effects of triacylglycerol positional isomers containing n-3 series highly unsaturated fatty acids on lipid metabolism in C57BL/6J mice. *J. Nutr. Biochem.* **26**(1), 57-63 (2015).

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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