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- Trockeneiszuschlag
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- Expressversand

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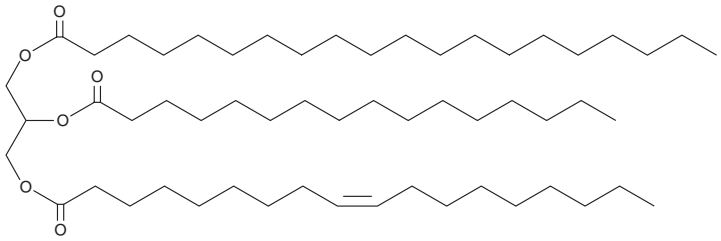
PRODUCT INFORMATION

1-Arachidoyl-2-Palmitoyl-3-Oleoyl-*rac*-glycerol

Item No. 28555

CAS Registry No.: 81637-57-2
Formal Name: eicosanoic acid, 2-[(1-oxohexadecyl)oxy]-3-[[(9Z)-1-oxo-9-octadecen-1-yl]oxy]propyl ester
Synonyms: 1-Arachidin-2-Palmitin-3-Olein, TG(20:0/16:0/18:1)
MF: $C_{57}H_{108}O_6$
FW: 889.5
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-Arachidoyl-2-palmitoyl-3-oleoyl-*rac*-glycerol is supplied as a solid. A stock solution may be made by dissolving the 1-arachidoyl-2-palmitoyl-3-oleoyl-*rac*-glycerol in the solvent of choice, which should be purged with an inert gas. 1-Arachidoyl-2-palmitoyl-3-oleoyl-*rac*-glycerol is slightly soluble in chloroform.

Description

1-Arachidoyl-2-palmitoyl-3-oleoyl-*rac*-glycerol is a triacylglycerol that contains arachidic acid (Item Nos. 9000339 | 21906), palmitic acid (Item No. 10006627), and oleic acid (Item Nos. 90260 | 24659) at the *sn*-1, *sn*-2, and *sn*-3 positions, respectively. It has been found in butterfat.[1] Liver levels of 1-arachidoyl-2-palmitoyl-3-oleoyl-*rac*-glycerol are increased in *Plin5*-overexpressing mice fed a high-fat diet.[2]

References

1. Kalo, P., Kemppinen, A., and Ollilainen, V. Determination of triacylglycerols in butterfat by normal-phase HPLC and electrospray-tandem mass spectrometry. *Lipids* **44(2)**, 169-195 (2009).
2. Trevino, M.B., Mazur-Hart, D., Machida, Y., *et al.* Liver Perilipin5 expression worsens hepatosteatosis but not insulin resistance in high fat fed mice. *Mol. Endocrinol.* **29(10)**, 1414-1425 (2015).

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