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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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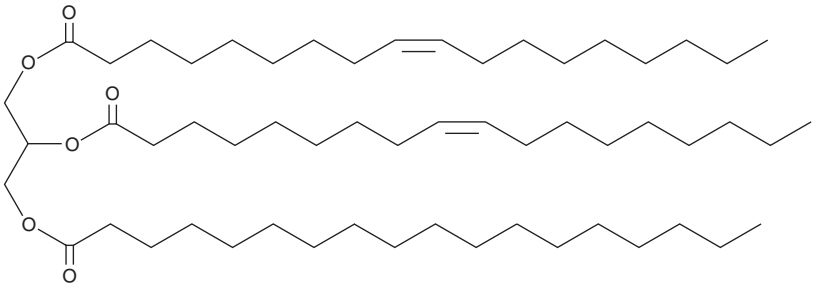
PRODUCT INFORMATION

1,2-Dioleoyl-3-Stearoyl-*rac*-glycerol

Item No. 27071

CAS Registry No.: 2410-28-8
Formal Name: 9Z-octadecenoic acid, 1,1'-[1-[[(1-oxooctadecyl)oxy] methyl]-1,2-ethanediyl] ester
Synonyms: 1,2-Olein-3-Stearin, TG(18:1/18:1/18:0)
MF: $C_{57}H_{106}O_6$
FW: 887.5
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

1,2-Dioleoyl-3-stearoyl-*rac*-glycerol is supplied as a solid. A stock solution may be made by dissolving the 1,2-dioleoyl-3-stearoyl-*rac*-glycerol in the solvent of choice, which should be purged with an inert gas. 1,2-Dioleoyl-3-stearoyl-*rac*-glycerol is soluble in chloroform and methanol.

Description

1,2-Dioleoyl-3-stearoyl-*rac*-glycerol is a triacylglycerol that contains oleic acid (Item Nos. 90260 | 24659) at the *sn*-1 and *sn*-2 positions and stearic acid (Item No. 10011298) at the *sn*-3 position. It has been found in sunflower, corn, and soybean oils, as well as ostrich oil.[1,2]

References

1. Gao, B., Luo, Y., Lu, W., *et al.* Triacylglycerol compositions of sunflower, corn and soybean oils examined with supercritical CO_2 ultra-performance convergence chromatography combined with quadrupole time-of-flight mass spectrometry. *Food Chem.* **218**, 569-574 (2017).
2. Zhou, Y., Xue, Y., Chen, G.C., *et al.* Rapid separation and characterisation of triacylglycerols in ostrich oil by ultra performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. *Food Chem.* **141(3)**, 2098-2102 (2013).

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