



# SZABO SCANDIC

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## Produktinformation



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Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# PRODUCT INFORMATION



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

Item No. 28556

**CAS Registry No.:** 81655-42-7  
**Formal Name:** eicosanoic acid  
3-[(1-oxohexadecyl)oxy]-2-[[[(9Z)-1-oxo-9-octadecen-1-yl]oxy]propyl ester

**Synonyms:** 1-Arachidin-2-Olein-3-Palmitin, TG(20:0/18:1/16:0)

**MF:** C<sub>57</sub>H<sub>108</sub>O<sub>6</sub>

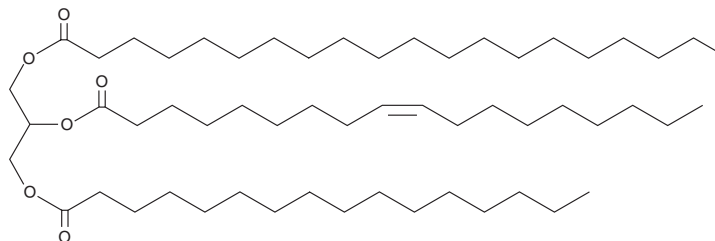
**FW:** 889.5

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

### Description

1-Arachidoyl-2-oleoyl-3-palmitoyl-*rac*-glycerol is a triacylglycerol that contains arachidic acid (Item Nos. 9000339 | 21906), oleic acid (Item Nos. 90260 | 24659), and palmitic acid (Item No. 10006627) at the *sn*-1, *sn*-2, and *sn*-3 positions, respectively. It has been found in a variety of plant oils, including poppy seed, hazelnut, maize, olive, yellow melon, and date seed oils.<sup>1,2</sup>

### References

- Mottram, H.R., Woodbury, S.E., and Evershed, R.P. Identification of triacylglycerol positional isomers present in vegetable oils by high performance liquid chromatography/atmospheric pressure chemical ionization mass spectrometry. *Rapid Commun. Mass Spectrom.* **11(12)**, 1240-1252 (1997).
- Holcapek, M., Lisa, M., Jandera, P., et al. Quantitation of triacylglycerols in plant oils using HPLC with APCI-MS, evaporative light-scattering, and UV detection. *J. Sep. Sci.* **28(12)**, 1315-1333 (2005).

#### 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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