



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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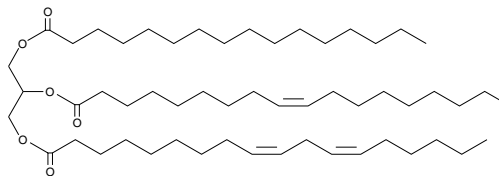
# Product Information



## 1-Palmitoyl-2-oleoyl-3-linoleoyl-*rac*-glycerol

Item No. 62660

**CAS Registry No.:** 2680-59-3  
**Formal Name:** 3-[[[(1-oxohexadecyl)oxy]-2-[[[(9Z)-1-oxo-9-octadecenyl]oxy]-9Z,12Z-octadecadienoic acid propyl ester  
**MF:** C<sub>55</sub>H<sub>100</sub>O<sub>6</sub>  
**FW:** 857.4  
**Purity:** ≥85%  
**Stability:** ≥1 year at -20°C  
**Supplied as:** A solution in hexane



### Laboratory Procedures

For long term storage, we suggest that 1-palmitoyl-2-oleoyl-3-linoleoyl-*rac*-glycerol (POL) be stored as supplied at -20°C. It should be stable for at least one year.

POL is supplied as a solution in hexane. To change the solvent, simply evaporate the hexane under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as ethanol and dimethyl formamide purged with an inert gas can be used. The solubility of POL in these solvents is approximately 10 mg/ml.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. POL is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, POL should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. POL 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.

POL is a common triglyceride component of seed and vegetable oils including olive, sesame, soybean, canola, corn, hazelnut, and many others. POL is one of the standard triglyceride components used for the USP analysis of sesame oil for pharmaceutical applications.<sup>1</sup>

### Reference

1. U.S.Pharmacopeia and National Formulary Official Monographs NF 19; Sesame Oil, *in* USP 24-NF 19, 3rd Supplement. 19th edition, Rockville, 3138-3139 (2001).

### Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/62660](http://www.caymanchem.com/catalog/62660)

**WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY. NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

#### SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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