



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

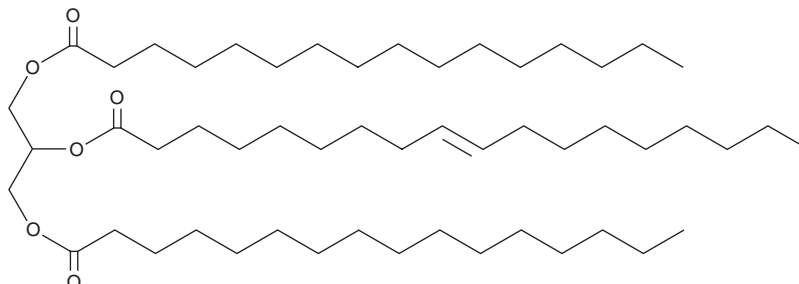
PRODUCT INFORMATION



1,3-Dipalmitoyl-2-Elaidoylglycerol

Item No. 27165

CAS Registry No.: 32221-51-5
Formal Name: 9E-octadecenoic acid, 2-[[[1-oxohexadecyl)oxy]-1-[[[1-oxohexadecyl)oxy)methyl]ethyl ester
Synonyms: 2-Elaidodipalmitin, 1,3-Palmitate-2-Elaidate, 1,3-Palmitin-2-Elaidin, 1,2-Palmitoyl-2-Elaidoyl-glycerol, PEP, TG(16:0/18:1/16:0)
MF: C₅₃H₁₀₀O₆
FW: 833.4
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-elaidoyl-glycerol (PEP) is supplied as a solid. A stock solution may be made by dissolving the PEP in the solvent of choice. PEP is soluble in organic solvents such as ethanol and dimethyl formamide, which should be purged with an inert gas. The solubility of PEP in these solvents is approximately 10 mg/ml.

PEP is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, PEP should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. PEP 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.

Description

PEP is a triacylglycerol containing palmitic acid (Item No. 10006627) at the *sn*-1 and *sn*-3 positions and elaidic acid (Item No. 90250) at the *sn*-2 position. PEP has been synthesized as a partially hydrogenated confectionery fat and, when used as 10% of the fat component in cocoa butter, it promotes the conversion of low-melting polymorphic forms of cocoa butter-PEP mixtures to high-melting polymorphic forms.¹

Reference

1. Gray, M.S., Lovegren, N.V., and Feuge, R.O. Effect of 2-oleodipalmitin and 2-elaidodipalmitin on polymorphic behavior of cocoa butter. *J. Am. Oil Chem. Soc.* **53**(12), 727-731 (1976).

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.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 06/08/2020

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM