



# 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

# PRODUCT INFORMATION



## 1-Docosahexaenoyl-2-hydroxy-*sn*-glycero-3-PC

Item No. 37340

**CAS Registry No.:** 162440-05-3  
**Formal Name:** 4,7R-dihydroxy-N,N,N-trimethyl-10-oxo-3,5,9-trioxa-4-phosphahentriaconta-13Z,16Z,19Z,22Z,25Z,28Z-hexaen-1-aminium, 4-oxide, inner salt

**Synonyms:** 1-Docosahexaenoyl-2-hydroxy-*sn*-glycero-3-Phosphocholine, LysoPC(22:6/0:0), PC(22:6/0:0), 22:6/0:0-PC

**MF:** C<sub>30</sub>H<sub>50</sub>NO<sub>7</sub>P

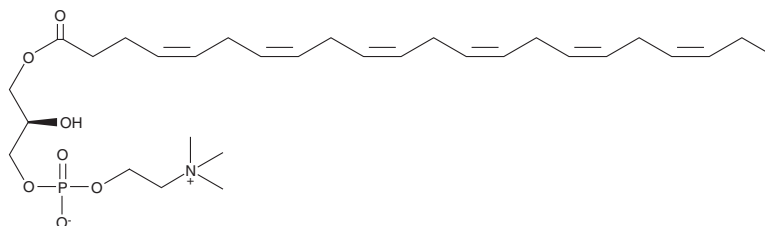
**FW:** 567.7

**Purity:** ≥90%

**Supplied as:** A solution in chloroform

**Storage:** -80°C

**Stability:** ≥1 year



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Description

1-Docosahexaenoyl-2-hydroxy-*sn*-glycero-3-PC is a lysophospholipid containing docosahexaenoic acid (DHA; Item Nos. 90310 | 17950) at the *sn*-1 position that has been found in shark liver extract.<sup>1</sup> 1-Docosahexaenoyl-2-hydroxy-*sn*-glycero-3-PC decreases LPS-induced increases in TNF- $\alpha$  and IL-6 levels in RAW 264.7 cells in a concentration-dependent manner.<sup>2</sup> It decreases LPS-induced production of nitric oxide (NO) in RAW 264.7 cells when used at concentrations ranging from 12 to 200  $\mu$ M. 1-Docosahexaenoyl-2-hydroxy-*sn*-glycero-3-PC (15-500  $\mu$ g/kg) inhibits plasma leakage into the peritoneum in a mouse model of peritonitis induced by zymosan A (Item No. 21175).

### References

1. Chen, S. and Li, K.W. Mass spectrometric identification of molecular species of phosphatidylcholine and lysophosphatidylcholine extracted from shark liver. *J. Agric. Food Chem.* **55**(23), 9670-9677 (2007).
2. Huang, L.S., Hung, N.D., Sok, D.-E., et al. Lysophosphatidylcholine containing docosahexaenoic acid at the *sn*-1 position is anti-inflammatory. *Lipids* **45**(3), 225-236 (2010).

#### 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, 08/30/2022

#### 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