



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) 

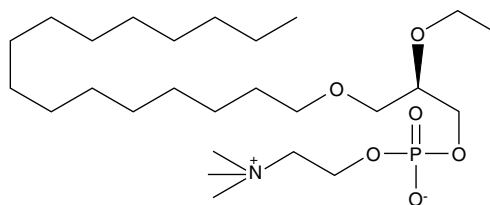
Product Information



2-O-ethyl PAF C-16

Item No. 60925

CAS Registry No.: 78858-42-1
Formal Name: 1-O-hexadecyl-2-O-ethyl-*sn*-glyceryl-3-phosphorylcholine
MF: C₂₆H₅₆NO₆P
FW: 509.7
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A lyophilized powder



Laboratory Procedures

For long term storage, we suggest that 2-O-ethyl PAF C-16 be stored as supplied at -20°C. It will be stable for at least two years.

2-O-ethyl PAF C-16 is supplied as a lyophilized powder. A stock solution may be made by dissolving the 2-O-ethyl PAF C-16 in an organic solvent. 2-O-ethyl PAF C-16 is soluble in organic solvents such as ethanol and dimethyl formamide. The solubility of 2-O-ethyl PAF C-16 in these solvents is approximately 125 µg/ml. 2-O-ethyl PAF C-16 will be stable for at least six months in these solvents if stored at -20°C.

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. Organic solvent-free aqueous solutions of 2-O-ethyl PAF C-16 can be prepared by directly dissolving the lyophilized powder in aqueous buffers. The solubility of 2-O-ethyl PAF C-16 in PBS (pH 7.2) is approximately 11 mg/ml. We do not recommend storing the aqueous solution for more than one day.

2-O-ethyl PAF C-16 is a synthetic PAF analog which contains an ethyl group, attached by an ether linkage, at the *sn*-2 position. It is a less potent agonist than methylcarbamyl PAF C-16 in the induction of platelet aggregation in both human and rabbit PRP.¹ 2-O-ethyl PAF C-16 causes aggregation of neutrophils in the presence of divalent cations, and a desensitization to aggregation in the absence of divalent cations.²

References

1. Hadváry, P., Cassal, J.-M., Hirth, G., *et al.* Structural requirements for the activation of blood platelets by analogues of platelet-activating factor (PAF-acether). *Platelet-Activating Factor INSERM Symposium* **23**, 57-64 (1983).
2. O'Flaherty, J.T., Lees, C.J., Miller, C.H., *et al.* Selective desensitization of neutrophils: Further studies with 1-O-alkyl-*sn*-glycero-3-phosphocholine analogues. *J. Immunol.* **127**, 731-737 (1981).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/60925

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.

WARRANTY AND LIMITATION OF REMEDY

Cayman Chemical Company makes **no warranty or guarantee** of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer's exclusive remedy and Cayman's sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman's option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

Copyright Cayman Chemical Company, 09/25/2013

Cayman Chemical

Mailing address

1180 E. Ellsworth Road
Ann Arbor, MI
48108 USA

Phone

(800) 364-9897
(734) 971-3335

Fax

(734) 971-3640

E-Mail

custserv@caymanchem.com

Web

www.caymanchem.com