



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) 

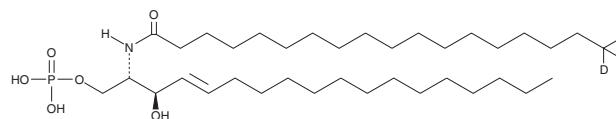
PRODUCT INFORMATION



C18 Ceramide-1-phosphate-d₃ (d18:1/18:0-d₃)

Item No. 24464

Formal Name: (2S,3R,E)-3-hydroxy-2-(octadecanamido-18,18,18-d₃) octadec-4-en-1-yl dihydrogen phosphate
Synonyms: Ceramide-1-phosphate (d18:1/18:0-d₃), CerP(d18:1/18:0-d₃), N-octadecanoyl-D-erythro-Sphingosine-1-phosphate-d₃
MF: C₃₆H₆₉D₃NO₆P
FW: 649.0
Chemical Purity: ≥98% (Ceramide-1-Phosphate)
Deuterium Incorporation: ≥99% deuterated forms (d₁-d₃); ≤1% d₀
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

C18 Ceramide-1-phosphate-d₃ (d18:1/18:0-d₃) is intended for use as an internal standard for the quantification of ceramide-1-phosphate by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated *versus* unlabeled).

C18 Ceramide-1-phosphate-d₃ (d18:1/18:0-d₃) is supplied as a solid. A stock solution may be made by dissolving the C18 ceramide-1-phosphate-d₃ (d18:1/18:0-d₃) in the solvent of choice. C18 Ceramide-1-phosphate-d₃ (d18:1/18:0-d₃) is soluble in a 60:15:25 solution of chloroform:methanol:acetic acid or an 80:20:4 solution of chloroform:methanol:ammonium hydroxide (7.5 M).

Description

Ceramide-1-phosphate is an endogenous bioactive sphingolipid that is formed *via* ATP-dependent conversion of C18 ceramide (Item No. 19556) by ceramide kinase.¹ It stimulates DNA synthesis and cell division, acts as a secondary messenger, and is involved in multiple cellular processes including phagocytosis, inflammatory responses, and tumorigenesis.

Reference

1. Hait, N.C. and Maiti, A. The role of sphingosine-1-phosphate and ceramide-1-phosphate in inflammation and cancer. *Mediators Inflamm.* **2017:4806541** (2017).

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, 07/24/2020

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