



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 Sphingomyelin (d18:1/18:0)

Item No. 24355

CAS Registry No.: 54336-69-5
Formal Name: 4-hydroxy-7-(1-hydroxy-2-hexadecen-1-yl)-N,N,N-trimethyl-9-oxo-3,5-dioxo-8-aza-4-phosphahexacosan-1-aminium, 4-oxide, inner salt
Synonyms: N-Octadecanoyl Sphingosylphosphorylcholine, SM(d18:1/18:0), Sphingomyelin (d18:1/18:0), Stearoyl Sphingomyelin

MF: C₄₁H₈₃N₂O₆P

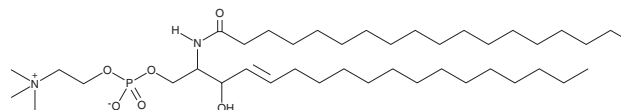
FW: 731.1

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

C18 Sphingomyelin (d18:1/18:0) is supplied as a solid. A stock solution may be made by dissolving the C18 sphingomyelin (d18:1/18:0) in the solvent of choice. C18 Sphingomyelin (d18:1/18:0) is soluble in organic solvents such as ethanol, methanol, and chloroform, which should be purged with an inert gas.

Description

C18 Sphingomyelin is a naturally occurring form of sphingomyelin (Item Nos. 22674 | 24345). C18 Sphingomyelin is increased by approximately 35-fold in CCD-112 colon fibroblasts compared with HCT116 human colorectal carcinoma cells.¹ C18 Sphingomyelin has been used as an internal standard for the quantification of sphingolipid metabolites.² This product is a mixture of the *D-erythro* and *L-threo* isomers of C18 sphingomyelin.

References

1. del Solar, V., Lizardo, D.Y., Li, N., *et al.* Differential regulation of specific sphingolipids in colon cancer cells during staurosporine-induced apoptosis. *Chem. Biol.* **22(12)**, 1662-1670 (2015).
2. Mano, N., Oda, Y., Yamada, K., *et al.* Simultaneous quantitative determination method for sphingolipid metabolites by liquid chromatography/ion spray ionization tandem mass spectrometry. *Anal. Biochem.* **244(2)**, 291-300 (1997).

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, 02/07/2018

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