



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



C17 D-erythro/L-threo Sphingomyelin (d18:1/17:0)

Item No. 24354

Formal Name: (E)-2-heptadecanamido-3-hydroxyoctadec-4-en-1-yl
(2-(trimethylammonio)ethyl) phosphate

Synonyms: D-erythro/L-threo Heptadecanoyl Sphingomyelin,
D-erythro/L-threo N-Heptadecanoyl
Sphingosylphosphorylcholine,
D-erythro/L-threo SM (18:1/17:0);
D-erythro/L-threo (18:1/17:0)

MF: C₄₀H₈₁N₂O₆P

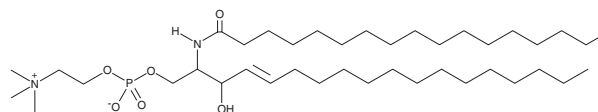
FW: 717.1

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

C17 D-erythro/L-threo Sphingomyelin (d18:1/17:0) is supplied as a solid. A stock solution may be made by dissolving the C17 D-erythro/L-threo Sphingomyelin (d18:1/17:0) in the solvent of choice. C17 D-erythro/L-threo Sphingomyelin (d18:1/17:0) is soluble in organic solvents such as chloroform, ethanol, and methanol, which should be purged with an inert gas.

Description

C17 Sphingomyelin is a synthetic derivative of sphingomyelin (Item Nos. 22674 | 24345). It has been used as an internal standard for the quantification of sphingomyelin.^{1,2} C17 D-erythro L-threo Sphingomyelin is a mixture of D-erythro and L-threo isomers.

References

1. Kirkegaard, T., Roth, A.G., Peterson, N.H.T., *et al.* Hsp70 stabilizes lysosomes and reverts Niemann-Pick disease-associated lysosomal pathology. *Nature* **463(7280)**, 549-553 (2010).
2. Schilling, J.D., Machkovech, H.M., He, L., *et al.* Palmitate and lipopolysaccharide trigger synergistic ceramide production in primary macrophages. *J. Biol. Chem.* **288(5)**, 2923-2932 (2013).

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, 08/07/2018

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