



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) 

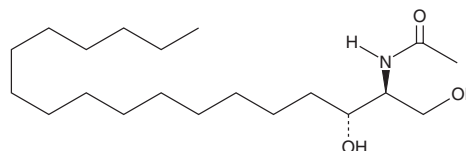
PRODUCT INFORMATION



C2 dihydro Ceramide (d18:0/2:0)

Item No. 20168

CAS Registry No.: 13031-64-6
Formal Name: N-[(1S,2R)-2-hydroxy-1-(hydroxymethyl)heptadecyl]-acetamide
Synonyms: Cer(d18:0/2:0), Ceramide (d18:0/2:0), N-acetyl-dihydro-Sphingosine, N-acetyl-D-erythro-Sphinganine, N-acetyl-D-erythro-dihydro-Sphingosine
MF: C₂₀H₄₁NO₃
FW: 343.5
Purity: ≥98%
Supplied as: A crystalline 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

C2 dihydro Ceramide (d18:0/2:0) is supplied as a crystalline solid. A stock solution may be made by dissolving the C2 dihydro ceramide (d18:0/2:0) in the solvent of choice. C2 dihydro Ceramide (d18:0/2:0) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of C2 dihydro ceramide (d18:0/2:0) in these solvents is approximately 33, 20, and 22 mg/ml, respectively.

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 C2 dihydro ceramide (d18:0/2:0) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of C2 dihydro ceramide (d18:0/2:0) in PBS, pH 7.2, is approximately 0.05 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

C2 dihydro Ceramide is a metabolically inactive analog of C-2 ceramide (Item No. 62510).^{1,2} It is used as a negative control in experiments investigating the biological activity of C-2 ceramide.

References

- Hill, P.A. and Tumber, A. Ceramide-induced cell death/survival in murine osteoblasts. *J. Endocrinol.* 225-233 (2010).
- Rauci, F.J., Jr., Wijesinghe, D.S., Chalfant, C.E., *et al.* Exogenous and endogenous ceramides elicit volume-sensitive chloride current in ventricular myocytes. *Cardiovasc. Res.* **86**, 55-62 (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, 01/24/2018

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