



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

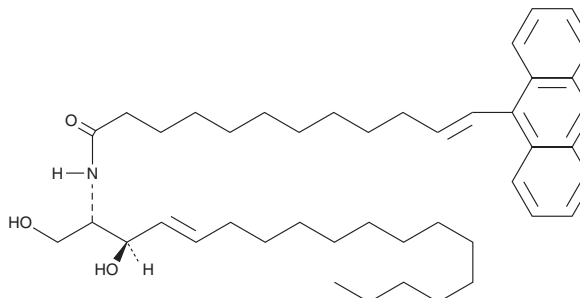


C10 AV Ceramide (d18:1/10:0)

Item No. 9000753

CAS Registry No.: 1263052-40-9
Formal Name: (11E)-12-(9-anthracenyl)-N-[(1S,2R,3E)-2-hydroxy-1-(hydroxymethyl)-3-heptadecen-1-yl]-11-dodecenamide
Synonyms: Anthrylviny Ceramide, AV Ceramide, AV Ceramide (d18:1/10:0), AV Cer(d18:1/10:0)

MF: C₄₄H₆₅NO₃
FW: 656.0
Purity: ≥98%
UV/Vis.: λ_{max}: 256 nm
Supplied as: A solution in ethanol
Storage: -20°C
Stability: ≥1 year



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

C10 AV Ceramide (d18:1/10:0) is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as DMSO and dimethyl formamide purged with an inert gas can be used. The solubility of C10 AV ceramide (d18:1/10:0) in these solvents is approximately 10 mg/ml.

Description

AV-Ceramide is a fluorescently tagged probe consisting of C-10 ceramide with an anthrylviny (AV) group attached to the end of the acyl chain. The AV group, being relatively small and non-polar, readily orients within the central region of a lipid bilayer.¹ The transfer or transport of lipids labeled with AV is commonly evaluated in real time using fluorescence resonance energy transfer, with a second fluorophore.¹⁻³

References

1. Polozov, I., Molotkovsky, J.G., and Bergelson, L.D. Anthrylviny-labeled phospholipids as membrane probes: The phosphatidylcholine-phosphatidylethanolamine system. *Chem. Phys. Lipids* **69(3)**, 209-218 (1994).
2. Mattijus, P., Molotkovsky, J.G., Smaby, J.M., et al. A fluorescence resonance energy transfer approach for monitoring protein-mediated glycolipid transfer between vesicle membranes. *Anal. Biochem.* **268(2)**, 297-304 (1999).
3. Tuuf, J., Kjellberg, M.A., Molotkovsky, J.G., et al. The intermediate ceramide transport catalyzed by CERT is sensitive to the lipid environment. *Biochem. Biophys. Acta* **1808(1)**, 229-235 (2011).

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, 02/19/2020

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