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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) 

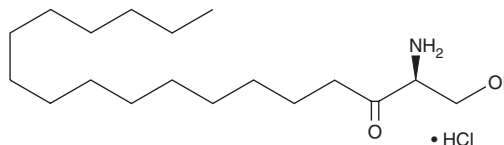
PRODUCT INFORMATION



3-keto Sphinganine (d18:0) (hydrochloride)

Item No. 24380

CAS Registry No.: 25515-53-1
Formal Name: 2S-amino-1-hydroxy-3-octadecanone, monohydrochloride
Synonyms: 3-dehydro Sphinganine, 3-keto Dihydrosphingosine, 3-keto Sphinganine
MF: C₁₈H₃₇NO₂ • HCl
FW: 336.0
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

3-keto Sphinganine (d18:0) (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the 3-keto sphinganine (d18:0) (hydrochloride) in the solvent of choice, which should be purged with an inert gas. 3-keto Sphinganine (d18:0) (hydrochloride) is soluble in organic solvents such as ethanol, methanol, and chloroform.

Description

3-keto Sphinganine (d18:0) is an intermediate in the biosynthesis of C18 ceramide (d18:1/18:0) (Item No. 19556).¹ It is a lyso-sphingolipid formed by the condensation of L-serine and palmitoyl-CoA by serine palmitoyl transferase (SPT). Vitamin K deficiency inactivates SPT resulting in a decrease in the production of 3-keto sphinganine (d18:0) and other sphingolipids.²

References

1. Bartke, N. and Hannun, Y.A. Bioactive sphingolipids: Metabolism and function. *J. Lipid Res.* **50(Suppl)**, S91-S96 (2009).
2. Batheja, A.D., Uhlinger, D.J., Carton, J.M., *et al.* Characterization of serine palmitoyltransferase in normal human tissues. *J. Histochem. Cytochem.* **51(5)**, 687-696 (2003).

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.

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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