



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) 

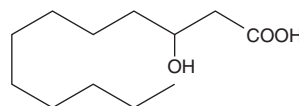
PRODUCT INFORMATION



3-hydroxy Lauric Acid

Item No. 24642

CAS Registry No.: 1883-13-2
Formal Name: 3-hydroxy-dodecanoic acid
Synonyms: (±)-3-hydroxy Dodecanoic Acid, (±)-β-hydroxy Dodecanoic Acid, (±)-β-hydroxy Lauric Acid
MF: C₁₂H₂₄O₃
FW: 216.3
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-hydroxy Lauric acid is supplied as a solid. A stock solution may be made by dissolving the 3-hydroxy lauric acid in the solvent of choice. 3-hydroxy Lauric acid is soluble in organic solvents such as methanol and ethanol, which should be purged with an inert gas.

Description

3-hydroxy Lauric acid is a hydroxylated fatty acid that is found in bacteria as well as *Pseudosuberites* and *D. calyx* sea sponges.¹⁻⁴ It has antifungal activity against a panel of seven fungi (MICs = 10-50 µg/ml).³ 3-hydroxy Lauric acid acts as a partial agonist of GPR84 receptors *in vitro* (EC₅₀ = 5.24 µM).⁵

References

1. Kim, M.C., Pak, S.H., Rim, S.G., *et al.* *Luteolibacter arcticus* sp. nov., isolated from high Arctic tundra soil, and emended description of the genus *Luteolibacter*. *Int. J. Syst. Evol. Microbiol.* **65**(Pt. 6), 1922-1928 (2015).
2. Panda, S., Bandyopadhyay, P.K., and Chatterjee, S.N. Characterization of *Pseudomonas aeruginosa* PB112 (JN996498) isolated from infected *Labeo bata* (Hamilton) by 16S rRNA gene sequence analysis and fatty acid methyl ester (FAME) analysis. *African J. Biotechnol.* **12**(4), 400-405 (2013).
3. He, R., Wakimoto, T., Egami, Y., *et al.* Heterologously expressed β-hydroxyl fatty acids from a metagenomic library of a marine sponge. *Bioorg. Med. Chem. Lett.* **22**(24), 7322-7325 (2012).
4. Barnathan, G., Kornprobst, J.-M., Doumenq, P., *et al.* Sponge fatty acids, 5. Characterization of complete series of 2-hydroxy long-chain fatty acids in phospholipids of two Senegalese marine sponges from the family suberitidae: *Pseudosuberites* sp. and *Suberites massa*. *J. Nat. Prod.* **56**(12), 2104-2113 (2004).
5. Kaspersen, M.H., Jenkins, L., Dunlop, J., *et al.* Succinct synthesis of saturated hydroxy fatty acids and *in vitro* evaluation of all hydroxylauric acids on FFA1, FFA4, and GPR84. *Med. Chem. Commun.* **8**(6), 1360-1365 (2017).

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, 04/30/2018

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