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Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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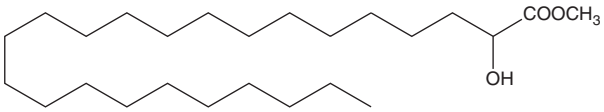
PRODUCT INFORMATION

2-hydroxy Lignoceric Acid methyl ester

Item No. 24599

CAS Registry No.: 2433-95-6
Formal Name: 2-hydroxy-tetracosanoic acid, methyl ester
Synonym: methyl 2-hydroxy Tetracosanoate
MF: $C_{25}H_{50}O_3$
FW: 398.7
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

2-hydroxy Lignoceric acid methyl ester is supplied as a solid. A stock solution may be made by dissolving the 2-hydroxy lignoceric acid methyl ester in the solvent of choice. 2-hydroxy Lignoceric acid methyl ester is soluble in organic solvents such as chloroform and ethyl ether, which should be purged with an inert gas.

Description

2-hydroxy Lignoceric acid methyl ester is a hydroxylated fatty acid methyl ester that has been found in ripe and unripe strawberry homogenates, *Pseudosuberites* and *S. massa* sea sponges, sediment samples from the Harney River and Lake Kivu, and the aerial parts of *E. helioscopia*.[1-5]

References

1. Gorst-Allman, C.P. and Spiteller, G. Investigation of lipoxygenase-like activity in strawberry homogenates. *Z. Lebensm. Unters. Forsch.* **187(4)**, 330-333 (1988).
2. 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).
3. Jaffé, R., Rushdi, A.I., Medeiros, P.M., *et al.* Natural product biomarkers as indicators of sources and transport of sedimentary organic matter in a subtropical river. *Chemosphere* **64(11)**, 1870-1884 (2006).
4. Al-Mutlaq, K., Standley, L.J., and Simoneit, B.R. Composition and sources of extractable organic matter from a sediment core in Lake Kivu, East African rift valley. *Appl. Geochem.* **23(5)**, 1023-1040 (2008).
5. Cateni, F., Zilic, J., Altieri, T., *et al.* Lipid metabolites with free-radical scavenging activity from *Euphorbia helioscopia* L. *Chem. Phys. Lipids* **181**, 90-98 (2014).

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