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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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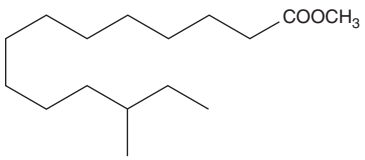
PRODUCT INFORMATION

12-methyl Myristic Acid methyl ester

Item No. 24818

CAS Registry No.: 5129-66-8
Formal Name: 12-methyl-tetradecanoic acid, methyl ester
Synonym: Methyl 12-methyltetradecanoate
MF: $C_{16}H_{32}O_2$
FW: 256.4
Purity: ≥98%
Supplied as: A liquid
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

12-methyl Myristic acid methyl ester is supplied as a liquid. A stock solution may be made by dissolving the 12-methyl myristic acid methyl ester in the solvent of choice. 12-methyl Myristic acid methyl ester is soluble in chloroform, ethanol, and ether.

Description

12-methyl Myristic acid methyl ester is a methylated fatty acid methyl ester that has been found in vermicomposts of cattle manure, carica papaya leaves, and cuticular wax of *K. africana*.[1-3] It is a volatile compound in lipid-lowering granulated tea.[4] Levels of 12-methyl myristic acid methyl ester are decreased in *T. cruzi* treated with nifurtimox (Item No. 21784) compared to non-treated controls.[5]

References

1. Balmori-Martinez, D., Spaccini, R., Aguiar, N.O., *et al.* Molecular characteristics of humic acids isolated from vermicomposts and their relationship to bioactivity. *J. Agric. Food Chem.* **62(47)**, 11412-11419 (2014).
2. Abd El Azim, M. Fatty acid constituents and antimicrobial activities of strawberry and carica- papaya leaves. *NPAIJ* **9(4)**, 143-147 (2013).
3. Olubunmi, A., Gabriel, O.A., Stephen, A.O., *et al.* Antioxidant and antimicrobial activity of cuticular wax from *Kigelia africana*. *FABAD J. Pharm. Sci.* **34(4)**, 187-194 (2009).
4. Ding, Y., Pu, L., and Kan, J. Hypolipidemic effects of lipid-lowering granulated tea preparation from *Monascus*-fermented grains (adlay and barley bran) mixed with lotus leaves on Sprague–Dawley rats fed a high-fat diet. *J. Funct. Foods* **32**, 80-89 (2017).
5. Barreto-Bergter, E., Hogge, L., and da Cruz, F.S. Lipid alterations induced by nifurtimox in *Trypanosoma cruzi*. *Mol. Biochem. Parasitol.* **21(3)**, 221-226 (1986).

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