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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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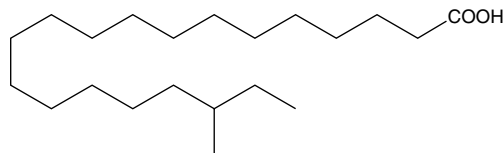
Product Information



18-methyl Eicosanoic Acid

Item No. 11009

CAS Registry No.: 36332-93-1
Formal Name: 18-methyl-eicosanoic acid
Synonyms: Anteisoheicosanoic Acid, 18-MEA
MF: C₂₁H₄₂O₂
FW: 326.6
Purity: ≥95%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid



Laboratory Procedures

For long term storage, we suggest that 18-methyl eicosanoic acid (18-MEA) be stored as supplied at -20°C. It should be stable for at least two years.

18-MEA is supplied as a crystalline solid. A stock solution may be made by dissolving the 18-MEA in the solvent of choice. 18-MEA is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of 18-MEA in ethanol, DMSO, and DMF is approximately 10, 30, and 50 mg/ml, respectively.

18-MEA is sparingly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

18-MEA is a main component of the outer layer of the epicuticle of human hair and endows hydrophobicity to the outer hair surface. It is used as an additive to hair cosmetics due to its desirable conditioning effects.¹

Reference

1. Cundy, D.J. and Gurr, P.A. An improved synthesis of (±) 18 methyl eicosanoic acid. *Org. Prep. Proced. Int.* **32(5)**, 461-468 (2011).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/11009

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WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

MATERIAL SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

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Cayman Chemical Company makes **no warranty or guarantee** of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman **warrants only** to the original customer that the material will **meet our specifications at the time of delivery.**

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have **any obligation or liability**, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

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Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

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