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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



Docosatrienoic Acid methyl ester

Item No. 20567

CAS Registry No.: 108698-01-7
Formal Name: 13Z,16Z,19Z-docosatrienoic acid, methyl ester
Synonym: cis-13,16,19-Docosatrienoic Acid methyl ester

MF: C₂₃H₄₀O₂

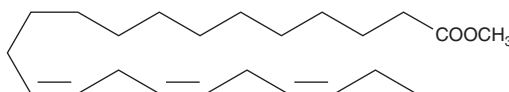
FW: 348.6

Purity: ≥98%

Supplied as: A solution in ethanol

Storage: -20°C

Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

Docosatrienoic acid methyl ester is supplied as a solution in ethanol. To change the solvent, simply evaporate the docosatrienoic acid methyl ester under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as DMSO and dimethyl formamide (DMF) purged with an inert gas can be used. The solubility of docosatrienoic acid methyl ester in these solvents is approximately 30 mg/ml.

Description

Docosatrienoic acid methyl ester is an ester version of docosatrienoic acid (Item No. 90170), a rare ω-3 fatty acid not readily detected in normal phospholipid polyunsaturated fatty acid pools that inhibits [³H]-LTB₄ binding to pig neutrophils at a concentration of 5 μM.¹ Docosatrienoic acid methyl ester is more lipid soluble than the free acid and may be more desirable than the free acid in certain formulations.

Reference

1. Yagaloff, K.A., Franco, L., Simko, B., *et al.* Essential fatty acids are antagonists of the leukotriene B₄ receptor. *Prostaglandins, Leukotrienes and Essential Fatty Acids* **52**, 293-297 (1995).

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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