



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# PRODUCT INFORMATION



## Fatty Acid Methyl ester GC-MS Mixture

Item No. 20503

**Supplied as:** A solution in dichloromethane (1 mg/ml each compound)

**Storage:** -20°C

**Stability:** ≥3 years

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

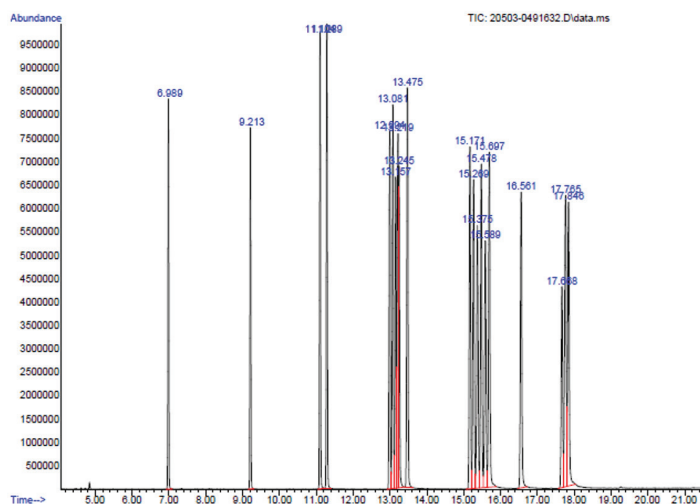
### Description

This mixture contains various fatty acid methyl esters. The mixture is supplied in an amber ampule in which the headspace has been purged with argon to prevent lipid oxidation. This product has been designed for direct use in GC-MS applications. The solution may be serially diluted for preparation of calibrators and QC standards and/or used directly as a system suitability standard or tuning standard. After opening, we recommend that the mixture be transferred immediately to a 1 ml glass screw cap vial, to prevent solvent evaporation, and stored at -20°C. The mixture should be discarded after multiple freeze/thaw cycles.

The fatty acid methyl esters represented in this mixture include the ester versions of various important essential fatty acids, as well as endogenous fatty acids, including those that serve as precursors in the production of many other lipids. As a more lipophilic form of the free acid, these lipids are often more amenable for the formulation of fatty acid-containing diets and dietary supplements.

### Contents

Each ampule contains at least 1 ml.



| Item Number: 20503 Fatty Acid methyl ester GC-MS Mixture |          |                      |
|--|----------|----------------------|
| Item Name  | Item No. | Retention Time (min) |
| Lauric Acid methyl ester                                 | 20608    | 6.99                 |
| Myristic Acid methyl ester                               | 9001867  | 9.21                 |
| Palmitoleic Acid methyl ester                            | 20605    | 11.10                |
| Palmitic Acid methyl ester                               | 10007358 | 11.29                |
| $\gamma$ -Linolenic Acid methyl ester                    | 10006579 | 12.99                |
| Stearidonic Acid methyl ester                            | 10005000 | 13.08                |
| Linoleic Acid methyl ester                               | 20603    | 13.16                |
| Oleic Acid methyl ester                                  | 20604    | 13.22                |
| Linolenic Acid methyl ester                              | 9000290  | 13.25                |
| Stearic Acid methyl ester                                | 20609    | 13.48                |
| Arachidonic Acid methyl ester                            | 90014    | 15.17                |
| Eicosapentaenoic Acid methyl ester                       | 9000295  | 15.27                |
| Dihomo- $\gamma$ -Linolenic Acid methyl ester            | 10006580 | 15.37                |
| $\omega$ -3 Arachidonic Acid methyl ester                | 10006454 | 15.48                |
| Eicosadienoic Acid methyl ester                          | 20750    | 15.59                |
| 11(Z),14(Z),17(Z)-Eicosatrienoic Acid methyl ester       | 17622    | 15.70                |
| Heptacosapentaenoic Acid methyl ester                    | 11622    | 16.56                |
| Docosahexaenoic Acid methyl ester                        | 10006865 | 17.67                |
| cis-4,10,13,16-Docosatetraenoic Acid methyl ester        | 10006866 | 17.77                |
| Docosapentaenoic Acid methyl ester                       | 9001870  | 17.85                |

**Conditions:**  
Column: 30 m x 0.32 mm, 0.5  $\mu$ m Rtx-5MS Flow Rate: 2 ml/min Inlet Temp: 300°C  
Split: 15:1 Carrier gas: He Transfer Line temp: 300°C  
Oven program: Hold 120°C for 1 min, 10°C/min to 220°C, 5°C/min to 300°C, hold at 300°C for 3 min

#### 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

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