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Nomenclature – Geometrical Isomers

In this catalogue we use two systems to describe the geometry of structures having carbon-carbon double bonds (geometric isomers).

Cis/ trans denomination is used to indicate C=C configuration of common unsaturated fatty acids of natural origin, i.e. from vegetable and animal fats and oils.

A more distinct nomenclature, the *Z/E*-system, was introduced in the 1950 's by Cahn, Ingold and Prelog. For fatty acids and derivatives cis is equivalent to *Z* and trans to *E*, which is not always the case for other kinds of molecules.

Fatty Acids & Derivatives

Saturated n-Fatty Acids (n-Carboxylic)

Bulk discounts are available on larger quantities. Other esters, such as ethyl esters can be offered on request.

Saturated and unsaturated fatty acids occur, as triglycerides, mainly in plants and animals, such as in oil bearing seeds and fruits, tallow, lard and marine oils.

In natural fats and oils, even numbered fatty acids are the predominant ones - odd numbered are rare.

Larodan and CPS provide a growing range of high purity fatty acids and esters for research and analytical purposes. In this catalogue you will find new lines of fatty acids and metabolites under special headings.

Im Katalog werden neben den Mengen die Bestellnummern angegeben

Saturated n-Fatty Acids – Gesättigte n-Fettsäuren

Propionic Acid

No. of C: 3:0 Mw: 74.08 Documentation: GC Purity: 99+%

100 mg 10-0300-9

1 g 10-0300-13

10 g 10-0300-17

Butyric Acid

No. of C: 4:0 Mw: 88.11 Documentation: GC Purity: 99+%

100 mg 10-0400-9

1 g 10-0400-13

10 g 10-0400-17

Pentanoic Acid

No. of C: 5:0 Mw: 102.14 Documentation: GC Purity: 99+%

100 mg 10-0500-9

1 g 10-0500-13

10 g 10-0500-17

Hexanoic Acid (Caproic Acid)

No. of C: 6:0 Mw: 116.16 Documentation: GC Purity: 99+%

100 mg 10-0600-9

1 g 10-0600-13

10 g 10-0600-17

Heptanoic Acid

No. of C: 7:0 Mw: 130.19 Documentation: GC Purity: 99+%

100 mg 10-0700-9

1 g 10-0700-13

5 g 10-0700-16

Octanoic Acid (Caprylic Acid)

No. of C: 8:0 Mw: 144.22 Documentation: GC Purity: 99+%

100 mg 10-0800-9

1 g 10-0800-13

10 g 10-0800-17

Nonanoic Acid (Pelargonic Acid)

No. of C: 9:0 Mw: 158.24 Documentation: GC Purity: 99+%

100 mg 10-0900-9

1 g 10-0900-13

5 g 10-0900-16

Decanoic Acid (Capric Acid)

No. of C: 10:0 Mw: 172.27 Documentation: GC Purity: 99+%

100 mg 10-1000-9

1 g 10-1000-13

10 g 10-1000-17

Undecanoic Acid

No. of C: 11:0 Mw: 186.30 Documentation: GC Purity: 99+%

100 mg 10-1100-9

1 g 10-1100-13

5 g 10-1100-16

Dodecanoic Acid (Lauric Acid)

No. of C: 12:0 Mw: 200.33 Documentation: GC Purity: 99+%

100 mg 10-1200-9

1 g 10-1200-13

10 g 10-1200-17

Tridecanoic Acid

No. of C: 13:0 Mw: 214.35 Documentation: GC Purity: 99+%

100 mg 10-1300-9

1 g 10-1300-13

5 g 10-1300-16

Tetradecanoic Acid (Myristic Acid)

No. of C: 14:0 Mw: 228.38 Documentation: GC Purity: 99+%

100 mg 10-1400-9

1 g 10-1400-13

10 g 10-1400-17

Pentadecanoic Acid

No. of C: 15:0 Mw: 242.41 Documentation: GC Purity: 99+%

100 mg 10-1500-9

1 g 10-1500-13

5 g 10-1500-16

Hexadecanoic Acid (Palmitic Acid)

No. of C: 16:0 Mw: 256.43 Documentation: GC Purity: 99+%

100 mg 10-1600-9

1 g 10-1600-13

10 g 10-1600-17

Heptadecanoic Acid (Margaric Acid)

No. of C: 17:0 Mw: 270.46 Documentation: GC Purity: 99+%

100 mg 10-1700-9

1 g 10-1700-13

5 g 10-1700-16

Octadecanoic Acid (Stearic Acid)

No. of C: 18:0 Mw: 284.48 Documentation: GC Purity: 99+%

100 mg 10-1800-9

1 g 10-1800-13

10 g 10-1800-17

Nonadecanoic Acid

No. of C: 19:0 Mw: 298.52 Documentation: GC Purity: 99+%

100 mg 10-1900-9

1 g 10-1900-13

5 g 10-1900-16

Eicosanoic Acid(Arachidic Acid)

No. of C: 20:0 Mw: 312.54 Documentation: GC Purity: 99+%

100 mg 10-2000-9

1 g 10-2000-13

5 g 10-2000-16

Heneicosanoic Acid

No. of C: 21:0 Mw: 326.57 Documentation: GC Purity: 99+%

100 mg 10-2100-9

500 mg 10-2100-12

1 g 10-2100-13

Docosanoic Acid (Behenic Acid)

No. of C: 22:0 Mw: 340.60 Documentation: GC Purity: 99+%

100 mg 10-2200-9

1 g 10-2200-13

5 g 10-2200-16

Tricosanoic Acid

No. of C: 23:0 Mw: 354.62 Documentation: GC Purity: 99+%

100 mg 10-2300-9

500 mg 10-2300-

1 g 10-2300-13

Tetracosanoic Acid (Lignoceric Acid)

No. of C: 24:0 Mw: 368.65 Documentation: GC Purity: 99+%

100 mg 10-2400-9

500 mg 10-2400-

1 g 10-2400-13

Pentacosanoic Acid

No. of C: 25:0 Mw: 382.68 Documentation: GC Purity: 99+%

25 mg 10-2500-7

100 mg 10-2500-9

Hexacosanoic Acid (Cerotic Acid)

No. of C: 26:0 Mw: 396.70 Documentation: GC Purity: 99+%

100 mg 10-2600-9

500 mg 10-2600-12

1 g 10-2600-13

Heptacosanoic Acid

No. of C: 27:0 Mw: 410.72 Documentation: GC Purity: 97+%

25 mg 10-2700-7

100 mg 10-2700-9

Octacosanoic Acid (Montanic Acid)

No. of C: 28:0 Mw: 424.74 Documentation: GC Purity: 99+%

100 mg 10-2800-9

500 mg 10-2800-12

Nonacosanoic Acid

No. of C: 29:0 Mw: 438.76 Documentation: GC Purity: 99+%

25 mg 10-2900-7

100 mg 10-2900-9

Triacontanoic Acid (Melissic Acid)

No. of C: 30:0 Mw: 452.78 Documentation: GC Purity: 98+%

25 mg 10-3000-7

100 mg 10-3000-9

Hentriacontanoic Acid

No. of C: 31:0 Mw: 466.81 Documentation: GC Purity: 99+%

10-3100-0

Saturated n-Fatty Acid Methyl Esters

Methyl Propionate

No. of C: 3:0 Documentation: GC Purity: 99+%

100 mg 20-0300-9

1 g 20-0300-13

10 g 20-0300-17

Methyl Butyrate

No. of C: 4:0 Documentation: GC Purity: 99+%

100 mg 20-0400-9

1 g 20-0400-13

10 g 20-0400-17

Methyl Pentanoate

No. of C: 5:0 Documentation: GC Purity: 99+%

100 mg 20-0500-9

1 g 20-0500-13 11

10 g 20-0500-17

Methyl Hexanoate

No. of C: 6:0 Documentation: GC Purity: 99+%

100 mg 20-0600-9

1 g 20-0600-13

10 g 20-0600-17

Methyl Heptanoate

No. of C: 7:0 Documentation: GC Purity: 99+%

100 mg 20-0700-9

1 g 20-0700-13

5 g 20-0700-16

Methyl Octanoate

No. of C: 8:0 Documentation: GC Purity: 99+%

100 mg 20-0800-9

1 g 20-0800-13

10 g 20-0800-17

Methyl Nonanoate

No. of C: 9:0 Documentation: GC Purity: 99+%

100 mg 20-0900-9

1 g 20-0900-13

5 g 20-0900-16

Methyl Decanoate

No. of C: 10:0 Documentation: GC Purity: 99+%

100 mg 20-1000-9

1 g 20-1000-13

10 g 20-1000-17

Methyl Undecanoate

No. of C: 11:0 Documentation: GC Purity: 99+%

100 mg 20-1100-9

1 g 20-1100-13

5 g 20-1100-16

Methyl Dodecanoate

No. of C: 12:0 Documentation: GC Purity: 99+%

100 mg 20-1200-

1 g 20-1200-13

10 g 20-1200-17

Methyl Tridecanoate

No. of C: 13:0 Documentation: GC Purity: 99+%

100 mg 20-1300-9

1 g 20-1300-13

5 g 20-1300-16

Methyl Tetradecanoate

No. of C: 14:0 Documentation: GC Purity: 99+%

100 mg 20-1400-

1 g 20-1400-13

10 g 20-1400-17

Methyl Pentadecanoate

No. of C: 15:0 Documentation: GC Purity: 99+%

100 mg 20-1500-9

1 g 20-1500-13

5 g 20-1500-16

Methyl Hexadecanoate

No. of C: 16:0 Documentation: GC Purity: 99+%

100 mg 20-1600-9

1 g 20-1600-13

10 g 20-1600-17

Methyl Heptadecanoate

No. of C: 17:0 Documentation: GC Purity: 99+%

100 mg 20-1700-9

1 g 20-1700-13

5 g 20-1700-16

Methyl Octadecanoate

No. of C: 18:0 Documentation: GC Purity: 99+%

100 mg 20-1800-9

1 g 20-1800-13

10 g 20-1800-17

Methyl Nonadecanoate

No. of C: 19:0 Documentation: GC Purity: 99+%

100 mg 20-1900-9

1 g 20-1900-13

5 g 20-1900-16

Methyl Eicosanoate

No. of C: 20:0 Documentation: GC Purity: 99+%

100 mg 20-2000-9

1 g 20-2000-13

5 g 20-2000-16

Methyl Heneicosanoate

No. of C: 21:0 Documentation: GC Purity: 99+%

100 mg 20-2100-9

500 mg 20-2100-

1 g 20-2100-13

Methyl Docosanoate

No. of C: 22:0 Documentation: GC Purity: 99+%

100 mg 20-2200-9

1 g 20-2200-13

5 g 20-2200-16

Methyl Tricosanoate

No. of C: 23:0 Documentation: GC Purity: 99+%

100 mg 20-2300-9

500 mg 20-2300-12

1 g 20-2300-13

Methyl Tetracosanoate

No. of C: 24:0 Documentation: GC Purity: 99+%

100 mg 20-2400-9

500 mg 20-2400-12

1 g 20-2400-13

Methyl Pentacosanoate

No. of C: 25:0 Documentation: GC Purity: 99+%

25 mg 20-2500-7

100 mg 20-2500-9

Methyl Hexacosanoate

No. of C: 26:0 Documentation: GC Purity: 99+%

100 mg 20-2600-9

500 mg 20-2600-12

1 g 20-2600-13

Methyl Heptacosanoate

No. of C: 27:0 Documentation: GC Purity: 99+%

25 mg 20-2700-7

100 mg 20-2700-9

Methyl Octacosanoate

No. of C: 28:0 Documentation: GC Purity: 99+%

100 mg 20-2800-9

500 mg 20-2800-12

Methyl Nonacosanoate

No. of C: 29:0 Documentation: GC Purity: 99+%

25 mg 20-2900-7

100 mg 20-2900-9

Methyl Triacontanoate

No. of C: 30:0 Documentation: GC Purity: 98%

25 mg 20-3000-7

100 mg 20-3000-9

Methyl Hentriacontanoate

No. of C: 31:0 Documentation: GC Purity: 99+%

25 mg 20-3100-7

100 mg 20-3100-9

Unsaturated n-Fatty Acids – Ungesättigte Fettsäuren

10-Hydroxy-2tr-Decenoic Acid (Royal Jelly Acid)

No. of C: 10:1 Mw: 186.2 Documentation: Not included Purity: 98%

50 mg 14-1001-8

10c-Undecenoic Acid

No. of C: 11:1 Mw: 184.30 Documentation: GC Purity: 99+%

100 mg 10-1101-9

5 x 100 mg 10-1101-30

11c-Dodecenoic Acid

No. of C: 12:1 Mw: 198.35 Documentation: GC Purity: 99+%

100 mg 10-1201-9

5 x 100 mg 10-1201-30

12c-Tridecenoic Acid

No. of C: 13:1 Mw: 212.35 Documentation: GC Purity: 99+%

100 mg 10-1301-9

5 x 100 mg 10-1301-30

Myristoleic Acid (9c)

No. of C: 14:1 Mw: 226. Documentation: GC Purity: 99+%

100 mg 10-1401-9

5 x 100 mg 10-1401-30

Myristelaidic Acid (9tr)

No. of C: 14:1 Mw: 226. Documentation: GC Purity: 99+%

100 mg 10-1402-9

10c-Pentadecenoic Acid

No. of C: 15:1 Mw: 240.40 Documentation: GC Purity: 99+%

100 mg 10-1501-9

10tr-Pentadecenoic Acid

No. of C: 15:1 Mw: 240.40 Documentation: GC Purity: 99+%

25 mg 10-1511-7

100 mg 10-1511-9

Palmitoleic Acid (9c)

No. of C: 16:1 Mw: 254.43 Documentation: GC Purity: 99+%

100 mg 10-1601-9

5 x 100 mg 10-1601-30

Palmitelaidic Acid (9tr)

No. of C: 16:1 Mw: 254.43 Documentation: GC Purity: 99+%

100 mg 10-1602-9

5 x 100 mg 10-1602-30

2tr-Hexadecenoic Acid

No. of C: 16:1 Mw: 254.43 Documentation: Not included Purity: 98%

10-1621-0

10c-Heptadecenoic Acid

No. of C: 17:1 Mw: 268.48 Documentation: GC Purity: 99+%

100 mg 10-1701-9

5 x 100 mg 10-1701-30

10tr-Heptadecenoic Acid

No. of C: 17:1 Mw: 268.48 Documentation: GC Purity: 99+%

25 mg 10-1702-7

3 x 25 mg 10-1702-29

Oleic Acid (9c)

No. of C: 18:1 Mw: 282.48 Documentation: GC Purity: 99+%

1 g 10-1801-13

10 g 10-1801-17

Elaidic Acid (9tr)

No. of C: 18:1 Mw: 282.48 Documentation: GC Purity: 99+%

1 g 10-1810-13

5 x 1 g 10-1810-31

Petroselinic Acid (6c)

No. of C: 18:1 Mw: 282.48 Documentation: GC Purity: 99+%

100 mg 10-1811-9

5 x 100 mg 10-1811-30

Vaccenic Acid (11c)

No. of C: 18:1 Mw: 282.48 Documentation: GC Purity: 99+%

100 mg 10-1812-9

5 x 100 mg 10-1812-

Transvaccenic Acid (11tr)

No. of C: 18:1 Mw: 282.48 Documentation: GC Purity: 99+%

100 mg 10-1813-9

5 x 100 mg 10-1813-

Ricinoleic Acid (9c, 12OH)

No. of C: 18:1 Mw: 298.46 Documentation: GC Purity: 99+%

100 mg 14-1812-9

5 x 100 mg 14-1812-

Ricinelaidic Acid (9tr, 12OH)

No. of C: 18:1 Mw: 298.46 Documentation: GC Purity: 99+%

100 mg 14-1822-9

5 x 100 mg 14-1822-

Linoleic Acid (9c, 12c)

No. of C: 18:2 Mw: 280.48 Documentation: GC Purity: 99+%

1 g 10-1802-13

10 g 10-1802-17

Linoelaidic Acid (9tr, 12tr))

No. of C: 18:2 Mw: 280.48 Documentation: GC Purity: 99+%

100 mg 10-1820-9

5 x 100 mg 10-1820-30

Linolenic Acid (9c, 12c, 15c)

No. of C: 18:3 Mw: 278.48 Documentation: GC Purity: 99+%

100 mg 10-1803-9

5 x 100 mg 10-1803-30

Linolenic Acid (9c, 12c, 15c)

No. of C: 18:3 Mw: 278.48 Documentation: GC Purity: min. 80%

1 kg 10-1803-80-25

Gamma Linolenic Acid (6c, 9c, 12c)

No. of C: 18:3 Mw: 278.48 Documentation: GC Purity: 99+%

100 mg 10-1830-9

5 x 100 mg 10-1830-30

6c,9c,12c,15c-Octadecatetraenoic Acid (Stearidonic acid)

No. of C: 18:4 Mw: 276.48 Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-1840-4

11c-Eicosenoic Acid

No. of C: 20:1 Mw: 310.54 Documentation: GC Purity: 99+%

100 mg 10-2001-9

5 x 100 mg 10-2001-30

11tr-Eicosenoic Acid

No. of C: 20:1 Mw: 310.54 Documentation: GC Purity: 99+%

25 mg 10-2010-7

3 x 25 mg 10-2010-29

11c,14c-Eicosadienoic Acid

No. of C: 20:2 Mw: 308.53 Documentation: GC Purity: 99+%

100 mg 10-2002-9

5 x 100 mg 10-2002-30

11c,14c,17c-Eicosatrienoic Acid

No. of C: 20:3 Mw: 306.53 Documentation: GC Purity: 99+%

100 mg 10-2003-9

5 x 100 mg 10-2003-30

Homogamma Linolenic Acid (8c,11c,14c)

No. of C: 20:3 Mw: 306.53 Documentation: GC Purity: 99+%

25 mg 10-2013-7

100 mg 10-2013-9

Arachidonic Acid (5c,8c,11c,14c)

No. of C: 20:4 Mw: 304.52 Documentation: GC Purity: 99+%

25 mg 10-2004-7

100 mg 10-2004-9

Omega3-Arachidonic Acid (8c,11c,14c,17c))

No. of C: 20:4 Mw: 304.52 Documentation: CoA Purity: 98%

1 mg 10-2024-1

5 mg 10-2024-4

5c,8c,11c,14c,17c-Eicosapentaenoic Acid

No. of C: 20:5 Mw: 302.52 Documentation: GC Purity: 99+%

100 mg 10-2005-9

5 x 100 mg 10-2005-30

Erucic Acid (13c-Docosenoic Acid)

No. of C: 22:1 Mw: 338.59 Documentation: GC Purity: 99+%

100 mg 10-2201-9

5 x 100 mg 10-2201-30

Brassicic Acid (13tr-Docosenoic Acid)

No. of C: 22:1 Mw: 338.59 Documentation: GC Purity: 99+%

100 mg 10-2210-9

5 x 100 mg 10-2210-30

13c,16c-Docosadienoic Acid

No. of C: 22:2 Mw: 336.59 Documentation: Not included Purity: 99+%

25 mg 10-2202-7

3 x 25 mg 10-2202-29

13c,16c,19c-Docosatrienoic Acid

No. of C: 22:3 Mw: 334.58 Documentation: Not included Purity: 99+%

25 mg 10-2203-7

3 x 25 mg 10-2203-29

7c,10c,13c,16c-Docosatetraenoic Acid

No. of C: 22:4 Mw: 332.57 Documentation: Not included Purity: 99+%

25 mg 10-2204-7

3 x 25 mg 10-2204-29

4c,7c,10c,13c,16c-Docosapentaenoic Acid

No. of C: 22:5 Mw: 330.57 Documentation: GC Purity: 99+%

25 mg 10-2265-7

7c,10c,13c,16c,19c-Docosapentaenoic Acid

No. of C: 22:5 Mw: 330.57 Documentation: GC Purity: 99+%

100 mg 10-2205-9

5 x 100 mg 10-2205-30

4c,7c,10c,13c,16c,19c-Docosahexaenoic Acid

No. of C: 22:6 Mw: 328.57 Documentation: GC Purity: 99+%

100 mg 10-2206-9

5 x 100 mg 10-2206-30

Nervonic Acid (15c)

No. of C: 24:1 Mw: 366.63 Documentation: GC Purity: 99+%

100 mg 10-2401-9

5 x 100 mg 10-2401-30

9c, 12c, 15c, 18c, 21c-Tetracosapentaenoic Acid

No. of C: 24:5 Mw: 358.63 Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-2405-4

6c, 9c, 12c, 15c, 18c, 21c-Tetracosahexaenoic Acid

No. of C: 24:6 Mw: 356.63 Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-2406-4

Unsaturated n-Fatty Acid Methyl Esters

Methyl 10c-Undecenoate

No. of C: 11:1 Documentation: GC Purity: 99+%

100 mg 20-1101-9

5 x 100 mg 20-1101-30

Methyl 11c-Dodecenoate

No. of C: 12:1 Documentation: GC Purity: 99+%

100 mg 20-1201-9

5 x 100 mg 20-1201-30

Methyl 12c-Tridecenoate

No. of C: 13:1 Documentation: GC Purity: 99+%

100 mg 20-1301-9

5 x 100 mg 20-1301-30

Methyl Myristoleate (9c)

No. of C: 14:1 Documentation: GC Purity: 99+%

100 mg 20-1401-9

5 x 100 mg 20-1401-30

Methyl Myristelaidate (9tr)

No. of C: 14:1 Documentation: GC Purity: 99+%

100 mg 20-1402-9

Methyl 10c-Pentadecenoate

No. of C: 15:1 Documentation: GC Purity: 99+%

100 mg 20-1501-9

Methyl -10tr-Pentadecenoate

No. of C: 15:1 Documentation: GC Purity: 99+%

25 mg 20-1511-7

100 mg 20-1511-9

Methyl Palmitoleate (9c)

No. of C: 16:1 Documentation: GC Purity: 99+%

100 mg 20-1601-9

5 x 100 mg 20-1601-30

Methyl Palmitelaidate (9tr)

No. of C: 16:1 Documentation: GC Purity: 99+%

100 mg 20-1602-9

5 x 100 mg 20-1602-30

Methyl 10c-Heptadecenoate

No. of C: 17:1 Documentation: GC Purity: 99+%

100 mg 20-1701-9

5 x 100 mg 20-1701-30

Methyl 10tr-Heptadecenoate

No. of C: 17:1 Documentation: GC Purity: 99+%

25 mg 20-1702-7

3 x 25 mg 20-1702-29

Methyl Oleate (9c)

No. of C: 18:1 Documentation: GC Purity: 99+%

1 g 20-1801-13

10 g 20-1801-17

Methyl Elaidate (9tr)

No. of C: 18:1 Documentation: GC Purity: 99+%

1 g 20-1810-13

5 x 1 g 20-1810-31

Methyl Petroselinoate (6c)

No. of C: 18:1 Documentation: GC Purity: 99+%

100 mg 20-1811-9

5 x 100 mg 20-1811-30

Methyl Vaccenate (11c)

No. of C: 18:1 Documentation: GC Purity: 99+%

100 mg 20-1812-9

5 x 100 mg 20-1812-30

Methyl Transvaccenate (11tr)

No. of C: 18:1 Documentation: GC Purity: 99+%

100 mg 20-1813-9

5 x 100 mg 20-1813-30

Methyl Ricinoleate (9c, 12OH)

No. of C: 18:1 Documentation: GC Purity: 99+%

100 mg 24-1812-9

5 x 100 mg 24-1812-30

Methyl Ricinelaidate (9tr, 12OH)

No. of C: 18:1 Documentation: GC Purity: 99+%

100 mg 24-1822-9

5 x 100 mg 24-1822-30

Methyl Linoleate (9c, 12c)

No. of C: 18:2 Documentation: GC Purity: 99+%

1 g 20-1802-13

10 g 20-1802-17

Methyl Linoelaidate (9tr, 12tr)

No. of C: 18:2 Documentation: GC Purity: 99+%

100 mg 20-1820-9

5 x 100 mg 20-1820-30

Methyl Linolenate (9c, 12c, 15c)

No. of C: 18:3 Documentation: GC Purity: 99+%

100 mg 20-1803-9

5 x 100 mg 20-1803-30

Methyl Gamma Linolenate (6c, 9c, 12c)

No. of C: 18:3 Documentation: GC Purity: 99+%

100 mg 20-1830-9

5 x 100 mg 20-1830-30

Methyl Octadecatetraenoate (6c, 9c, 12c, 15c) (Methyl Stearidonate)

No. of C: 18:4 Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-1840-4

Methyl 11c-Eicosenoate

No. of C: 20:1 Documentation: GC Purity: 99+%

100 mg 20-2001-9

5 x 100 mg 20-2001-30

Methyl 11tr-Eicosenoate

No. of C: 20:1 Documentation: GC Purity: 99+%

25 mg 20-2010-7

3 x 25 mg 20-2010-29

Methyl 11c,14c- Eicosadienoate

No. of C: 20:2 Documentation: GC Purity: 99+%

100 mg 20-2002-9

5 x 100 mg 20-2002-30

Methyl Eicosatrienoate (11c, 14c, 17c)

No. of C: 20:3 Documentation: GC Purity: 99+%

100 mg 20-2003-9

5 x 100 mg 20-2003-30

Methyl Hommo-gammalinolenate (8c, 11c, 14c)

No. of C: 20:3 Documentation: GC Purity: 99+%

25 mg 20-2013-7

100 mg 20-2013-9

Methyl Arachidonate (5c, 8c, 11c, 14c)

No. of C: 20:4 Documentation: GC Purity: 99+%

25 mg 20-2004-7

100 mg 20-2004-9

Omega3-Methyl Arachidonate (8c, 11c,14c, 17c)

No. of C: 20:4 Documentation: CoA Purity: 98%

1 mg 20-2024-1

5 mg 20-2024-4

Methyl Eicosapentaenoate (5c, 8c, 11c, 14c, 17c)

No. of C: 20:5 Documentation: GC Purity: 99+%

100 mg 20-2005-9

5 x 100 mg 20-2005-30

Methyl Erucate (13c)

No. of C: 22:1 Documentation: GC Purity: 99+%

100 mg 20-2201-9 20

5 x 100 mg 20-2201-30

Methyl Brassidate (13tr)

No. of C: 22:1 Documentation: GC Purity: 99+%

100 mg 20-2210-9 30

5 x 100 mg 20-2210-30

Methyl Docosadienoate (13c, 16c)

No. of C: 22:2 Documentation: Not included Purity: 99+%

25 mg 20-2202-7

3 x 25 mg 20-2202-29

Methyl Docosatrienoate(13c, 16c, 19c)

No. of C: 22:3 Documentation: Not included Purity: 99+%

25 mg 20-2203-7

3 x 25 mg 20-2203-29

Methyl Docosatetraenoate (7c, 10c, 13c, 16c)

No. of C: 22:4 Documentation: Not included Purity: 99+%

25 mg 20-2204-7

3 x 25 mg 20-2204-29

Methyl Docosapentaenoate (4c,7c,10c,13c,16c)

No. of C: 22:5 Documentation: GC Purity: 99+%

25 mg 20-2265-7

Methyl Docosapentaenoate (7c, 10c, 13c, 16c, 19c)

No. of C: 22:5 Documentation: GC Purity: 99+%

100 mg 20-2205-9

5 x 100 mg 20-2205-30

Methyl Docosahexaenoate (4c, 7c, 10c, 13c, 16c, 19c)

No. of C: 22:6 Documentation: GC Purity: 99+%

100 mg 20-2206-9

5 x 100 mg 20-2206-30

Methyl Nervonate (15c)

No. of C: 24:1 Documentation: GC Purity: 99+%

100 mg 20-2401-9

5 x 100 mg 20-2401-30

Methyl (9c, 12c, 15c, 18c, 21c)-Tetracosapentaenoate

No. of C: 24:5 Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-2405-4

Methyl (6c, 9c, 12c, 15c, 18c, 21c)-Tetracosahexaenoate

No. of C: 24:6 Documentation: GC-MS / HPLC Purity: 97+%

CLAs – Analytical Standards

9c,11tr-Octadecadienoic Acid

Documentation: Not included *Purity:* 98+%

25 mg 10-1823-7

1 g 10-1823-13

10 g 10-1823-17

9c,11c-Octadecadienoic Acid

Documentation: Not included *Purity:* 96+%

25 mg 10-1824-7

1 g 10-1824-13

9tr,11tr-Octadecadienoic Acid

Documentation: Not included *Purity:* 98%

25 mg 10-1825-7

10tr,12c-Octadecadienoic Acid

Documentation: Not included *Purity:* 98+%

25 mg 10-1826-7

1 g 10-1826-13

Methyl 9c,11tr-Octadecadienoate

Documentation: Not included *Purity:* 98+%

25 mg 20-1823-7

Methyl 9c,11c-Octadecadienoate

Documentation: Not included *Purity:* 96+%

25 mg 20-1824-7

Methyl 9tr,11tr-Octadecadienoate

Documentation: Not included *Purity:* 98%

25 mg 20-1825-7

Methyl 10tr,12c-Octadecadienoate

Documentation: Not included *Purity:* 98+%

25 mg 20-1826-7

Unusual Fatty Acids

Fatty acid biosynthesis by *de novo* pathways or by pathways involving elongation of preformed molecules takes place by successive addition of two carbons from either malonyl-CoA or acetyl-CoA, and this is the reason why the overwhelming part of naturally occurring fatty acids have even-

numbered acyl chains. Furthermore, because of the specificities of acyl desaturases, most polyunsaturated fatty acids of natural origin possess two or more copies of the Zconfigured element (-CH=CH-CH₂-)_n. For this reason even the simplest of the naturally occurring polyunsaturated fatty acids, *i.e.* linoleic acid (n = 2), will possess a bis-allylic methylene group located between double bonds: (-CH=CH**CH**₂-CH=CH-CH₂-). The lowered carbon-hydrogen bond dissociation energy of this methylene group makes it unusually reactive and explains the susceptibility of polyunsaturated fatty acids to *e.g.* autoxidation and base-catalyzed isomerization as well as their conversions by enzymes like lipoxygenases, cyclooxygenases and conjugases.

In addition to the dioxygenase and monooxygenase classes of enzymes, which introduce molecular oxygen into fatty acids to produce the oxylipin family of compounds, acyl chains can be modified by a large number of unorthodox desaturases. Such enzymes are especially common in the plant kingdom and are frequently active during seed development. Examples are the desaturases which introduce the 5(Z) double bond in 5(Z),9(Z)-octadecadienoic acid (taxoleic acid) and 5(Z),9(Z),12(Z)-octadecatrienoic acid (pinolenic acid), the desaturase which convert linoleic acid into 9(Z)-octadecen-12-ynoic acid (crepenynic acid), and the conjugase-type of desaturases which catalyze the dehydrogenation of linoleic acid into α -leostearic, α -calendic and punicic acids. It should be noted that the fatty acids in this category are non-oxygenated, occur in esterified form in plant lipids, and are as a rule isolated together with conventional fatty acids. Larodan takes special interest in the isolation of uncommon fatty acids from natural origin and also applies synthetic methods for modification of existing fatty acids. In this way we can provide a collection of unusual fatty acids, most of which are not available from other commercial sources.

Conjugated Polyene Fatty Acids / Methyl Esters

Recent research has revealed new biological roles of Conjugated PUFAs, *e.g.* Conjugated Linoleic acid and alpha-Parinaric acid act as high affinity binding ligands and activators of peroxisomal proliferator-activated receptors (PPAR). Others (trienoic and tetraenoic acids) display potent cytotoxic activity in cell cultures. A review article on Conjugated PUFAs is available on our web site.

8(E),10(E)-Octadecadienoic Acid

Documentation: GC-MS / HPLC Purity: 97+%

2 mg 10-1802-21-2

8(E),10(E)-Octadecadienoic Acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

2 mg 20-1802-21-2

11(E),13(E)-Octadecadienoic Acid

Documentation: GC-MS / HPLC Purity: 97+%

2 mg 10-1802-22-2

11(E),13(E)-Octadecadienoic Acid Methyl Ester

Documentation: GS-MS / HPLC Purity: 97+%

2 mg 20-1802-22-2

9(Z),11(E),13(E)-Octadecatrienoic Acid (alpha-Eleostearic)

Documentation: GC-MS / HPLC Purity: 97+%

25 mg 10-1803-23-7

9(E),11(E),13(E)-Octadecatrienoic Acid (beta-Eleostearic)

Documentation: GC-MS / HPLC Purity: 97+%

25 mg 10-1803-24-7

8(E),10(E),12(Z)-Octadecatrienoic Acid (alpha-Calendic)

Documentation: GC-MS / HPLC Purity: 97+%

25 mg 10-1803-25-7

8(E),10(E),12(E)-Octadecatrienoic Acid (beta-Calendic)

Documentation: GC-MS / HPLC Purity: 97+%

25 mg 10-1803-26-7

9(Z),11(E),13(Z)-Octadecatrienoic Acid (Punicic)

Documentation: GC-MS / HPLC Purity: 97+%

25 mg 10-1803-27-7

8(Z),10(E),12(Z)-Octadecatrienoic Acid (Jacaric)

Documentation: GC-MS / HPLC Purity: 97+%

25 mg 10-1803-28-7

9(E),11(E),13(Z)-Octadecatrienoic Acid (Catalpic)

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-1803-31-4

9(Z),11(E),13(E),15(Z)-Octadecatetraenoic Acid (alpha-Parinaric)

Documentation: GC-MS / HPLC Purity: 97+%

250 mg 10-1803-20-11 650

Odd-Numbered PUFAs

Odd-numbered fatty acids are formed inter alia by the alpha-oxidation pathway .

8(Z),11(Z),14(Z)-Heptadecatrienoic Acid*Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 10-1703-1-4

10(Z),13(Z)-Nonadecadienoic acid*Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 10-1902-1-4

7(Z),10(Z),13(Z)-Nonadecatrienoic Acid*Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 10-1903-1-4

10(Z),13(Z),16(Z)-Nonadecatrienoic Acid*Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 10-1903-2-4

12(Z),15(Z),18(Z)-Heneicosatrienoic Acid*Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 10-2103-1-4

9(Z),12(Z),15(Z)-Heneicosatrienoic Acid*Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 10-2103-2-4

6(Z),9(Z),12(Z),15(Z)-Heneicosatetraenoic Acid*Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 10-2104-1-4

6(Z),9(Z),12(Z),15(Z),18(Z)-Heneicosapentaenoic Acid*Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 10-2105-1-4

8(Z),11(Z),14(Z),17(Z),20(Z)-Tricosapentaenoic Acid*Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 10-2305-1-4

5(Z),8(Z),11(Z),14(Z),17(Z),20(Z)-Tricosahexaenoic Acid*Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 10-2306-1-4

Odd-Numbered PUFA Methyl Esters**8(Z),11(Z),14(Z)-Heptadecatrienoic acid Methyl Ester***Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 20-1703-1-4

10(Z),13(Z)-Nonadecadienoic acid Methyl Ester*Documentation: GC-MS / HPLC Purity: 97+%*

5 mg 20-1902-1-4

7(Z),10(Z),13(Z)-Nonadecatrienoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-1903-1-4

10(Z),13(Z),16(Z)-Nonadecatrienoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-1903-2-4

12(Z),15(Z),18(Z)-Heneicosatrienoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-2103-1-4

9(Z),12(Z),15(Z)-Heneicosatrienoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-2103-2-4

6(Z),9(Z),12(Z),15(Z)-Heneicosatetraenoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-2104-1-4

6(Z),9(Z),12(Z),15(Z),18(Z)-Heneicosapentaenoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-2105-1-4

8(Z),11(Z),14(Z),17(Z),20(Z)-Tricosapentaenoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-2305-1-4

5(Z),8(Z),11(Z),14(Z),17(Z),20(Z)-Tricosahexaenoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-2306-1-4

Other Unusual PUFAs

9(Z),12(Z)-Hexadecadienoic acid

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-1620-4

7(Z), 10(Z), 13(Z)-Hexadecatrienoic Acid

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-1603-4

6(Z)-Hexadecenoic acid (Sapienic acid)

5mg 10-1606-4 6

9-Octadecynoic acid (Stearolic acid)

5mg 10-1800-3-4

2(E)-Octadecenoic Acid

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-1801-1-4

9(Z)-Octadecen-12-ynoic Acid (Crepenynic)

Documentation: GC-MS / HPLC *Purity:* 97+%

25 mg 10-1801-2-7

11(E)-Octadecen-9-ynoic Acid (Santalbic or Ximenynic)

Documentation: GC-MS / HPLC *Purity:* 97+%

25 mg 10-1801-3-7

9(Z),12(E)-Octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 10-1802-1b-4

9(E),12(Z)-Octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 10-1802-1c-4

5(Z),9(Z)-Octadecadienoic Acid (Taxoleic)

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 10-1802-20-4

5(E),9(Z),12(Z)-Octadecatrienoic Acid (Columbinic)

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 10-1803-21-4

5(Z),9(Z),12(Z)-Octadecatrienoic Acid (Pinolenic)

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 10-1803-22-4

3-Oxalinolenic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

2 mg 14-1803-34-2

6(Z),9(Z)-Octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

2 mg 10-1869-2

9(Z)-Eicosenoic Acid (Gadoleic)

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 10-2001-1-4

2(E),8(Z),11(Z),14(Z)-Eicosatetraenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 10-2004-2-4

5(E),8(Z),11(Z),14(Z)-Eicosatetraenoic Acid (5(E)-Arachidonic)

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 10-2004-3-1

5(Z),8(Z),11(Z)-Eicosatrien-1,20-dioic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

2 mg 15-2030-2

5(Z),8(Z),11(Z)-Eicosatrienoic acid (Mead acid)

Documentation: GC-MS / HPLC Purity: 98%

2 mg 10-2033-2 1

5,7-Eicosadiynoic acid

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-2052-4

2(E),10(Z),13(Z),16(Z)-Docosatetraenoic Acid

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-2204-1-4

2(E),7(Z),10(Z),13(Z),16(Z)-Docosapentaenoic Acid

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-2205-1-4

2(E),7(Z),10(Z),13(Z),16(Z),19(Z)-Docosahexaenoic Acid

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-2206-1-4

4(E),7(Z),10(Z),13(Z),16(Z),19(Z)-Docosahexaenoic Acid

Documentation: GC-MS / HPLC Purity: 97+%

1 mg 10-2206-2-1

15(E)-Tetracosenoic Acid (trans-Nervonic)

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-2401-2-4

2(E),6(Z), 9(Z), 12(Z), 15(Z), 18(Z), 21(Z)-Tetracosahexaenoic Acid

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 10-2407-4

Other Unusual PUFA Methyl Esters

Methyl 9(Z),12(Z)-Hexadecadienoate

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-1620-4

Methyl (7(Z), 10(Z), 13(Z))-Hexadecatrienoate

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-1603-4

6(Z)-Hexadecenoic acid Methyl Ester(Sapienic acid)

5mg 20-1606-4 6

9-Octadecynoic acid Methyl Ester(Stearolic acid)

5mg 20-1800-3-4

2(E)-Octadecenoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-1801-1-4

9(Z)-Octadecen-12-ynoic acid (Crepenynic) Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

25 mg 20-1801-2-7

11(E)-Octadecen-9-ynoic acid (Santalbic or Ximenynic) Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

25 mg 20-1801-3-7

9(Z),12(E)-Octadecadienoic acid Methyl Ester

Documentation: GC-MS/HPLC Purity: 97+%

5 mg 20-1802-1b-4

9(E),12(Z)-Octadecadienoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-1802-1c-4

5(Z),9(Z)-Octadecadienoic acid (Taxoleic) Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-1802-20-4

5(E),9(Z),12(Z)-Octadecatrienoic acid (Columbinic) Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-1803-21-4

5(Z),9(Z),12(Z)-Octadecatrienoic acid (Pinolenic) Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-1803-22-4

6(Z),9(Z)-Octadecadienoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

2 mg 20-1869-2

9(Z)-Eicosenoic acid (Gadoleic) Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-2001-1-4

2(E),8(Z),11(Z),14(Z)-Eicosatetraenoic acid Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

5 mg 20-2004-2-4

5(E),8(Z),11(Z),14(Z)-Eicosatetraenoic acid (5(E)-Arachidonic) Methyl Ester

Documentation: GC-MS / HPLC Purity: 97+%

1 mg 20-2004-3-1

5(Z),8(Z),11(Z)-Eicosatrien-1,20-dioic acid Methyl Ester

Documentation: GC-MS - HPLC Purity: 97+%

2 mg 25-2030-2

5(Z),8(Z),11(Z)-Eicosatrienoic acid (Mead acid) Methyl Ester

Documentation: GC-MS / HPLC Purity: 98%

2 mg 20-2033-2

2(E),10(Z),13(Z),16(Z)-Docosatetraenoic acid Methyl Ester

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 20-2204-1-4

2(E),7(Z),10(Z),13(Z),16(Z)-Docosapentaenoic acid Methyl Ester

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 20-2205-1-4

2(E),7(Z),10(Z),13(Z),16(Z),19(Z)-Docosahexaenoic acid Methyl Ester

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 20-2206-1-4

4(E),7(Z),10(Z),13(Z),16(Z),19(Z)-Docosahexaenoic acid Methyl Ester

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 20-2206-2-1

15(E)-Tetracosenoic acid Methyl Ester (trans-Nervonic)

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 20-2401-2-4

2(E),6(Z), 9(Z), 12(Z), 15(Z),18(Z),21(Z)-Tetracosaeptaenoic Acid Methyl Ester

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 20-2407-4

Omega-3 Fish Oil Fatty Acid Products

EPA (5c,8c,11c,14c,17c)

Documentation: GC *Purity:* 90%

1 g 10-2005-90-13

5 g 10-2005-90-16

25 g 10-2005-90-19

EPA Methyl Ester

Documentation: GC *Purity:* 90%

1 g 20-2005-90-13

5 g 20-2005-90-16

25 g 20-2005-90-19

EPA Ethyl Ester

Documentation: GC *Purity:* 90%

1 g 30-2005-90-13

5 g 30-2005-90-16

25 g 30-2005-90-19

DHA (4c,7c,10c,13c,16c,19c)

Documentation: GC Purity: 90%

1 g 10-2206-90-13

5 g 10-2206-90-16

25 g 10-2206-90-19

DHA Methyl Ester

Documentation: GC Purity: 90%

1 g 20-2206-90-13

5 g 20-2206-90-16

25 g 20-2206-90-19

DHA Ethyl Ester

Documentation: GC Purity: 90%

1 g 30-2206-90-13

5 g 30-2206-90-16

25 g 30-2206-90-19

CLAs –Conjugated Linoleic Acids / Bulk

Linoleic acids occur naturally as "natural Octadienoic acid (9c,12c)" and related isomers, so called "Conjugated Linoleic Acid (CLA)" having double bonds in 9,11 or 10,12 positions (cis/trans).

CLA isomers have been shown to be biologically active, e.g. suppressing cancer diseases and inhibiting development of atherosclerosis.

Larodan offers selected CLAs for analytical and larger scale experiments (bulk). The analytical standards are listed in the Fatty Acid section.

CLAs in bulk – Free Fatty Acids – Methyl/ Ethyl Esters – Triglycerides

CLA 9c,11tr Free Fatty Acid

Documentation: Data sheet Purity: 89-94%

1 g 10-1823-90-13

5 g 10-1823-90-16

10 g 10-1823-90-17

25 g 10-1823-90-19

100 g 10-1823-90-21

CLA 9c,11tr Methyl Ester

Documentation: Data sheet Purity: 89-94%

1 g 20-1823-90-13

5 g 20-1823-90-16

10 g 20-1823-90-17

25 g 20-1823-90-19

100 g 20-1823-90-21

CLA 9c,11tr Ethyl Ester

Documentation: Data sheet Purity: 89-94%

1 g 30-1823-90-13

5 g 30-1823-90-16

10 g 30-1823-90-17

25 g 30-1823-90-19

100 g 30-1823-90-21

CLA 9c,11tr Triglyceride

Documentation: Data sheet Purity: 89-94%

1 g 33-1823-90-13

5 g 33-1823-90-16

10 g 33-1823-90-17

25 g 33-1823-90-19

100 g 33-1823-90-21

CLA 10tr,12c Free Fatty Acid

Documentation: Data sheet Purity: 89-94%

1 g 10-1826-90-13

5 g 10-1826-90-16

10 g 10-1826-90-17

25 g 10-1826-90-19

100 g 10-1826-90-21

CLA 10tr,12c Methyl Ester

Documentation: Data sheet Purity: 89-94%

1 g 20-1826-90-13

5 g 20-1826-90-16

10 g 20-1826-90-17

25 g 20-1826-90-19

100 g 20-1826-90-21

CLA 10tr,12c Ethyl Ester

Documentation: Data sheet Purity: 89-94%

1 g 30-1826-90-13

5 g 30-1826-90-16

10 g 30-1826-90-17

25 g 30-1826-90-19

100 g 30-1826-90-21

CLA 10tr,12c Triglyceride*Documentation: Data sheet Purity: 89-94%*

1 g 33-1826-90-13

5 g 33-1826-90-16

10 g 33-1826-90-17

25 g 33-1826-90-19

100 g 33-1826-90-21

Oxylipins

Fatty acid hydroperoxides can be enzymatically produced in plants by lipoxygenase- or α -dioxygenase-catalyzed oxygenation. Further conversion by secondary enzymes results in an array of oxygenated derivatives belonging to the oxylipin family of compounds. The name "oxylipin" was introduced in 1990 as an encompassing term for fatty acid derivatives of all chain lengths formed by mono- or dioxygenase-catalyzed oxygenations. Although it is a general term which is unspecific for lengths of acyl chains, it has so far found most use to denote linoleic and linolenic acid-derived products in the plant fatty acid field.

Interest in oxylipins to a large part stems from their involvement in plant development and their role as defensive agents in plants attacked by fungi, insects and bacteria. The Larodan company has supplied oxylipins for a multitude of studies on plants oxylipins and is actively involved in research aimed at elucidating the antimicrobial effects of oxylipins as well as more specific projects dealing e.g. with the structures of complex lipids containing 12-oxophytodienoic acid and with the mechanism of the hydroperoxide lyase reaction. Many oxylipins are unstable and/or rapidly inactivated by metabolic degradation. Research at Larodan with the aim of obtaining oxylipin analogs with enhanced metabolic stability has recently resulted in a series of β -oxidation-stable 3-oxa oxylipins, and limited quantities of the precursor of such analogs, *i.e.* 3-oxalinolenic acid, is now available from Larodan.

The almost hundred different oxylipins provided by Larodan range from fatty acid hydroperoxides produced by lipoxygenases (LOX) to a multitude of derivatives generated from hydroperoxides by chemical transformations or by secondary plant enzymes such as allene oxide synthase (AOS), divinyl ether synthase (DES), hydroperoxide lyase (HPL), epoxy alcohol synthase (EAS) and peroxygenase (POX).

Hydroperoxides

13(S)-HPOD [13(S)-hydroperoxy-9(Z),11(E)-octadecadienoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1802-2a-1

5 x 1 mg 14-1802-2a

13-LOX product of linoleic acid. Serves as the substrate for secondary enzymes like AOS, HPL, DES and POX.

λ_{\max} (EtOH) 234 nm, ϵ 27,000

13(R,S)-Hydroperoxy-9(Z),11(E)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-2b-

Primary autoxidation product of linoleic acid. λ_{\max} (EtOH) 234 nm, ϵ 27,000

13(R,S)-Hydroperoxy-9(E),11(E)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-2c-

Primary autoxidation product of linoleic acid. λ_{\max} (EtOH) 230 nm.

9(S)-HPOD [9(S)-hydroperoxy-10(E),12(Z)-octadecadienoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1802-10a-1

5 x 1 mg 14-1802-10a-

9-LOX product of linoleic acid. Serves as the substrate for secondary enzymes like AOS, HPL, DES and POX.

λ_{\max} (EtOH) 234 nm, $\epsilon = 27,000$

9(R,S)-Hydroperoxy-10(E),12(Z)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-10c-

Primary autoxidation product of linoleic acid. λ_{\max} (EtOH) 234 nm, ϵ 27,000

9(R,S)-Hydroperoxy-10(E),12(E)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-10d-

Primary autoxidation product of linoleic acid. λ_{\max} (EtOH) 230 nm.

13(S)-HPOT [13(S)-hydroperoxy-9(Z),11(E),15(Z)-octadecatrienoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-2-1

5 x 1 mg 14-1803-2-38

13-LOX product of linolenic acid. Serves as the substrate for secondary enzymes like AOS, HPL, DES and POX.

λ_{\max} (EtOH) 235 nm, ϵ 27,000

9(S)-HPOT [9(S)-hydroperoxy-10(E),12(Z),15(Z)-octadecatrienoic acid]

Documentation: GC-MS / HPLC Purity: 97+%

1 mg 14-1803-10a-1

5 x 1 mg 14-1803-10a-38

9-LOX product of linolenic acid. Serves as the substrate for secondary enzymes like AOS, HPL, DES and POX.

λ_{\max} (EtOH) 235 nm, ϵ 27,000

11(S)-Hydroperoxy-7(Z),9(E),13(Z)-hexadecatrienoic Acid

Documentation: GC-MS / HPLC Purity: 97+%

100 microgram 14-1603-2-39

5 x 100 microgram 14-1603-2-40

13-LOX product of 7,10,13-hexadecatrienoic acid. λ_{\max} (EtOH) 235 nm, ϵ 27,000

2(R,S)-Hydroperoxy-9(Z)-octadecenoic Acid

Documentation: GC-MS / HPLC Purity: 97+%

100 microgram 14-1801-17c-39

Chemical oxygenation product of oleic acid.

2(R,S)-Hydroperoxyhexadecanoic acid

Documentation: GC-MS / HPLC Purity: 97+%

1mg 14-1600-2-1

Chemical oxygenation product of palmitic acid

Hydroxides

13(S)-HOD [13(S)-hydroxy-9(Z),11(E)-octadecadienoic acid]

Documentation: GC-MS / HPLC Purity: 97+%

1 mg 14-1802-3a-1

5 x 1 mg 14-1802-3a-38

Chemical or enzymatical reduction product of the corresponding hydroperoxide. λ_{\max} (EtOH) 234 nm, ϵ 27,000

13(R,S)-Hydroxy-9(Z),11(E)-octadecadienoic acid

Documentation: GC-MS / HPLC Purity: 97+%

100 microgram 14-1802-3f-39

Chemical or enzymatical reduction product of the corresponding hydroperoxide. λ_{\max} (EtOH) 234 nm, ϵ 27,000

13(R,S)-Hydroxy-9(E),11(E)-octadecadienoic acid

Documentation: GC-MS / HPLC Purity: 97+%

100 microgram 14-1802-3g-39

Chemical or enzymatical reduction product of the corresponding hydroperoxide. λ_{\max} (EtOH) 230 nm

9(S)-HOD [9(S)-hydroxy-10(E),12(Z)-octadecadienoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1802-10b-1

5 x 1 mg 14-1802-10b-38

Chemical or enzymatical reduction product of the corresponding hydroperoxide. λ_{\max} (EtOH) 234 nm, $\epsilon = 27,000$

9(R,S)-Hydroxy-10(E),12(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-10e-39

Chemical or enzymatical reduction product of the corresponding hydroperoxide. λ_{\max} (EtOH) 234 nm, $\epsilon 27,000$

9(R,S)-Hydroxy-10(E),12(E)-octadecadienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-10f-39

Chemical or enzymatical reduction product of the corresponding hydroperoxide. λ_{\max} (EtOH) 230 nm

10(R,S)-Hydroxy-8(E),12(Z)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-3b-39

Reduction product of hydroperoxide formed on singlet oxygen oxygenation of linoleic acid.

11(R)-Hydroxy-9(Z),12(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 24-1802-3b-39

Enzymatic bis-allylic oxidation product of linoleic acid. The methyl ester is supplied.

11(R,S)-Hydroxy-9(Z),12(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 24-1802-3c-39

Nonenzymatic bis-allylic oxidation product of linoleic acid. The methyl ester is supplied.

12(R,S)-Hydroxy-9(Z),13(E)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-3c-39

Reduction product of hydroperoxide formed on singlet oxygen oxygenation of linoleic acid.

15(R)-Hydroxy-9(Z),12(Z)-octadecadienoic Acid (Avenoleic)

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-3d-39

5 x 100 microgram 14-1802-3d-40

Monooxygenase product of linoleic acid

15(R,S)-Hydroxy-9(Z),12(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-3e-39

Reduction product of 15-oxolinoleic acid

13(S)-HOT [13(S)-hydroxy-9(Z),11(E),15(Z)-octadecatrienoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-3-1

5 x 1 mg 14-1803-3-38

Chemical or enzymatical reduction product of the corresponding hydroperoxide. λ_{\max} (EtOH) 234 nm, ϵ 27,000

9(S)-HOT [9(S)-hydroxy-10(E),12(Z),15(Z)-octadecatrienoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-10b-1

5 x 1 mg 14-1803-10b-38

Chemical or enzymatical reduction product of the corresponding hydroperoxide. λ_{\max} (EtOH) 235 nm, ϵ 27,000

13(S)-Hydroxy-6(Z),9(Z),11(E)-octadecatrienoic acid [13(S)-HOT ω 6]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-32-1

Chemical or enzymatical reduction product of the 13(S)-hydroperoxide derivative of γ -linolenic acid.

λ_{\max} (EtOH) 235 nm, ϵ 27,000

11(S)-Hydroxy-7(Z),9(E),13(Z)-hexadecatrienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1603-3-39

5 x 100 microgram 14-1603-3-40

Chemical or enzymatical reduction product of the corresponding hydroperoxide. λ_{\max} (EtOH) 234 nm, ϵ 27,000

12(S)-Hydroxy-5(Z),8(E),10(E)-heptadecatrienoic acid [12(S)-HHT]

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-2004-18-39

5 x 100 microgram 14-2004-18-40

Degradation product of prostaglandin H2. λ_{\max} (EtOH) 231 nm

2(R,S)-Hydroxy-9(Z)-octadecenoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1801-17d-39

Chemical or enzymatical reduction product of the corresponding hydroperoxide.

2(R)-Hydroxy-9(Z),12(Z),15(Z)-octadecatrienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1803-17a-4

Secondary α -dioxygenase product of linolenic acid

2(R,S)-Hydroxy-9(Z),12(Z),15(Z)-octadecatrienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-17b-1

Reduction product of 2-oxolinolenic acid

Ketones

13-Oxo-9(Z),11(E)-octadecadienoic Acid [13-KOD]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1802-4b-1

5 x 1 mg 14-1802-4b-38

Secondary 13-LOX product of linoleic acid. λ_{\max} (EtOH) 278 nm, ϵ 24,000

9-Oxo-10(E),12(Z)-octadecadienoic Acid [9-KOD]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1802-4c-1

5 x 1 mg 14-1802-4c-38

Secondary 9-LOX product of linoleic acid λ_{\max} (EtOH) 278 nm, ϵ 24,000

13-Oxo-9(Z),11(E),15(Z)-octadecatrienoic Acid [13-KOT]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-4b-1

Secondary 13-LOX product of linolenic acid. λ_{\max} (EtOH) 280 nm, ϵ 24,000

9-Oxo-10(E),12(Z),15(Z)-octadecatrienoic Acid [9-KOT]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-4c-1

5 x 1 mg 14-1803-4c-38

Secondary 9-LOX product of linolenic acid. λ_{\max} (EtOH) 278 nm, ϵ 24,000

2-Oxo-9(Z),12(Z),15(Z)-octadecatrienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-30-1

Secondary α -dioxygenase product of linolenic acid.

15-Oxo-9(Z),12(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-23-39

Dehydrogenation product of avenoleic acid.

Epoxides

(±)-cis-12,13--9(Z)-octadecenoic Acid ((±)-Vernolic)

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1802-16a-1

Epoxidation product of linoleic acid

12(S),13(R)-Epoxy-9(Z)-octadecenoic Acid ((+)-Vernolic)

Documentation: GC-MS / HPLC *Purity:* 97+%

25 mg 14-1802-16b-7

Methyl ester 25 mg 24-1802-16b-7

Epoxygenase/ peroxygenase product of linoleic acid.

12(R),13(S)-Epoxy-9(Z)-octadecenoic Acid ((-)-Vernolic)

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1802-16c-4

Epoxygenase/ peroxygenase product of linoleic acid.

(±)-cis-9,10-Epoxy-12(Z)-octadecenoic Acid ((±)-Coronaric)

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1802-16d-1

Epoxidation product of linoleic acid.

9(R),10(S)-Epoxy-12(Z)-octadecenoic Acid ((+)-Coronaric)

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1802-16e-4

Epoxygenase/ peroxygenase product of linoleic acid.

(±)-cis-12,13-Epoxy-9(Z),15(Z)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-16a-1

Epoxidation product of linolenic acid.

(±)-trans-5,6-Epoxy-9(Z),12(Z)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-16b-1

Epoxidation product of columbinic acid.

(±)-cis-5,6-Epoxy-9(Z),12(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-16c-1

Epoxidation product of pinolenic acid.

(±)-cis-11,12-Epoxy-14(Z)-eicosenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

1mg 14-2002-1

Epoxidation product of 11,14-eicosadienoic acid.

(±)-cis-14,15-Epoxy-11(Z)-eicosenoic Acid ((±)-Alchornic)

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-2002-2-1

Epoxidation product of 11,14-eicosadienoic acid.

(±)-cis-4,5-Epoxy-7(Z),10(Z),13(Z),16(Z),19(Z)-docosapentaenoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 24-2206-3-1

Epoxidation product of docosahexaenoic acid. The methyl ester is supplied.

10,13-epoxy-10,12-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1802-28-1

Nonenzymatical degradation product of many oxylipins.

Diols

(±)-threo-9,10-Dihydroxy-12(Z)-octadecenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1802-19a-4

Chemical or enzymatical hydrolysis product of coronaric acid.

(±)-threo-12,13-Dihydroxy-9(Z)-octadecenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1802-19b-4

Chemical or enzymatical hydrolysis product of vernolic acid.

(±)-threo-12,13-Dihydroxy-9(Z),15(Z)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-1803-19-1

Chemical or enzymatical hydrolysis product of *cis*-12,13-epoxy-9(Z),15(Z)-octadecadienoic acid.

(±)-erythro-5,6-Dihydroxy-9(Z),12(Z)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

1mg 14-1803-28-1

Chemical and enzymatical hydrolysis product of *trans*-5,6-epoxy-9(Z),12(Z)-octadecadienoic acid.

Allene Oxide Synthase–derived Oxylipins

13-Hydroxy-12-oxo-9(Z)-octadecenoic Acid*Documentation:* GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-5a-39

 α -Ketol derived from 13(S)-HPOD.**9-Hydroxy-12-oxo-10(E)-octadecenoic Acid***Documentation:* GC-MS / HPLC *Purity:* 97+%

50 microgram 14-1802-6a-41

5 x 50 microgram 14-1802-6a-42

 γ -Ketol derived from 13(S)-HPOD. λ_{\max} (EtOH) 224 nm**9-Hydroxy-10-oxo-12(Z)-octadecenoic acid***Documentation:* GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-5b-39

 α -Ketol derived from 9(S)-HPOD.**10-Oxo-11-phytoenoic Acid [side chain cis isomer]***Documentation:* GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-4a-39

5 x 100 microgram 14-1802-4a-40

Cyclopentenone derived from 9(S)-HPOD. The racemic side chain *cis* isomer is provided. λ_{\max} (EtOH) 220 nm, ϵ 12,500**13-Hydroxy-12-oxo-9(Z),15(Z)-octadecadienoic Acid***Documentation:* GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1803-5a-39

 α -Ketol derived from 13(S)-HPOT.**9-Hydroxy-10-oxo-12(Z),15(Z)-octadecadienoic acid***Documentation:* GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1803-5b-39

 α -Ketol derived from 9(S)-HPOT.**9-Hydroxy-12-oxo-10(E),15(Z)-octadecadienoic Acid***Documentation:* GC-MS / HPLC *Purity:* 97+%

50 microgram 14-1803-6-41

5 x 50 microgram 14-1803-6-42

 γ -Ketol derived from 13(S)-HPOT. λ_{\max} (EtOH) 224 nm**12-Oxo-10,15(Z)-phytodienoic Acid [side chain cis isomer, mainly 9(S),13(S)]***Documentation:* GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1803-4a-39

5 x 100 microgram 14-1803-4a-40

Cyclopentenone derived from 13(S)-HPOT. The material consists of >90% of the natural 9(S),13(S)-isomer.

 λ_{\max} (EtOH) 220 nm, ϵ 12,500

Divinyl Ether Synthase–derived Oxylipins

Colneleic Acid [9-[1'(E),3'(Z)-nonadienyloxy]-8(E)-nonenoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-7-39

5 x 100 microgram 14-1802-7-40

Divinyl ether fatty acid formed from 9(S)-HPOD (potato/tomato type DES).

λ_{\max} (EtOH) 250 nm, ϵ 30,000

Etheroleic Acid [12-[1'(E)-hexenyloxy]-9(Z),11(E)-dodecadienoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-8-39

5 x 100 microgram 14-1802-8-40

Divinyl ether fatty acid formed from 13(S)-HPOD (garlic type DES). λ_{\max}

(EtOH) 250 nm, ϵ 30,000

ω -5(Z)-Etheroleic Acid [12-[1'(Z)-hexenyloxy]-9(Z),11(E)-dodecadienoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-9a-39

5 x 100 microgram 14-1802-9a-40

Divinyl ether fatty acid formed from 13(S)-HPOD (*Ranunculus acris* type

DES). λ_{\max} (EtOH) 250 nm, ϵ 30,000

11(Z)-Etheroleic acid [12-[1'(E)-hexenyloxy]-9(Z),11(Z)-dodecadienoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

50 microgram 14-1802-9b-41

Divinyl ether fatty acid from 13(S)-HPOD (*Ranunculus lingua* type DES).

λ_{\max} (EtOH) 253 nm

Colnelenic Acid [9-[1'(E),3'(Z),6'(Z)-nonatrienyloxy]-8(E)-nonenoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1803-7-39

5 x 100 microgram 14-1803-7-40

Divinyl ether fatty acid formed from 9(S)-HPOT (potato/tomato type DES).

λ_{\max} (EtOH) 253 nm

Etherolenic Acid [12-[1'(E),3'(Z)-hexadienyloxy]-9(Z),11(E)-dodecadienoic acid]

contains up to 30% of the ω -5(Z) isomer. Isomeric composition indicated for each sample

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1803-8-39

5 x 100 microgram 14-1803-8-40

Divinyl ether fatty acid from 13(S)-HPOT (garlic type DES). λ_{\max} (EtOH) 268 nm, ϵ 41,000

ω -5(Z)-Etherolenic Acid [12-[1'(Z),3'(Z)-hexadienyloxy]-9(Z),11(E)-dodecadienoic acid]

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1803-9-39

5 x 100 microgram 14-1803-9-40

Divinyl ether fatty acid from 13(S)-HPOT (*Ranunculus* type DES). λ_{\max} (EtOH) 267 nm, ϵ 41,000

Dorignic Acid (14-[1'(E)-hexenyloxy]-8(Z),11(Z),13(E)-tetradecatrienoic acid)

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-2003-3-39

Divinyl ether fatty acid from 15(S)-HPET (garlic type DES). λ_{\max} (EtOH) 252 nm

Epoxy Alcohol Synthase-/ Peroxygenase-derived Oxylipins

10(S),11(S)-Epoxy-9(S)-hydroxy-12(Z)-octadecenoic acid - threo isomer also available

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 24-1802-11a-39

5 x 100 microgram 24-1802-11a-40

Epoxy alcohol synthase product of 9(S)-HPOD. The methyl ester is supplied.

11(S),12(S)-Epoxy-13(S)-hydroxy-9(Z)-octadecenoic acid - threo isomer also available

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 24-1802-11b-39

5 x 100 microgram 24-1802-11b-40

Putative epoxy alcohol synthase product of 13(S)-HPOD. The methyl ester is supplied.

9(S),10(S)-Epoxy-11(S)-hydroxy-12(Z)-octadecenoic acid - threo isomer also available

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 24-1802-11c-39

5 x 100 microgram 24-1802-11c-40

Degradation product of 9(S)-HPOD. The methyl ester is supplied.

12(S),13(S)-Epoxy-11(S)-hydroxy-9(Z)-octadecenoic acid - threo isomer also available

Documentation: GC-MS / HPLC Purity: 97+%

100 microgram 24-1802-11d-39

5 x 100 microgram 24-1802-11d-40

Degradation product of 13(S)-HPOD. The methyl ester is supplied.

12(R),13(S)-Epoxy-9(S)-hydroxy-10(E)-octadecenoic acid

Documentation: GC-MS / HPLC Purity: 97+%

50 microgram 24-1802-12a-41

5 x 50 microgram 24-1802-12a-42

Epoxy alcohol synthase product of 9(S)-HPOD. The methyl ester is supplied.

9(S),10(R)-Epoxy-13(S)-hydroxy-11(E)-octadecenoic acid

Documentation: GC-MS / HPLC Purity: 97+%

50 microgram 24-1802-12b-41

5 x 50 microgram 24-1802-12b-42

Putative epoxy alcohol synthase product of 13(S)-HPOD. The methyl ester is supplied.

10(S),11(S)-Epoxy-9(S)-hydroxy-12(Z),15(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC Purity: 97+%

100 microgram 24-1803-11a-39

5 x 100 microgram 24-1803-11a-40

Epoxy alcohol synthase product of 9(S)-HPOT. The methyl ester is supplied.

11(S),12(S)-Epoxy-13(S)-hydroxy-9(Z),15(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC Purity: 97+%

100 microgram 24-1803-11b-39

5 x 100 microgram 24-1803-11b-40

Putative epoxy alcohol synthase product of 13(S)-HPOT. The methyl ester is supplied.

9(S),10(S)-Epoxy-11(S)-hydroxy-12(Z),15(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC Purity: 97+%

100 microgram 24-1803-11c-39

5 x 100 microgram 24-1803-11c-40

Degradation product of 9(S)-HPOT. The methyl ester is supplied.

12(S),13(S)-Epoxy-11(S)-hydroxy-9(Z),15(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC Purity: 97+%

100 microgram 24-1803-11d-39

5 x 100 microgram 24-1803-11d-40

Degradation product of 13(S)-HPOT. The methyl ester is supplied.

12(R),13(S)-Epoxy-9(S)-hydroxy-10(E),15(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

50 microgram 24-1803-12a-41

5 x 50 microgram 24-1803-12a-42

Epoxy alcohol synthase product of 9(S)-HPOT. The methyl ester is supplied.

9(S),10(R)-Epoxy-13(S)-hydroxy-11(E),15(Z)-octadecadienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

50 microgram 24-1803-12b-41

5 x 50 microgram 24-1803-12b-42

Putative epoxy alcohol synthase product of 13(S)-HPOT. The methyl ester is supplied.

9(S),10(S),11(R)-Trihydroxy-12(Z)-octadecenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-13-39

5 x 100 microgram 14-1802-13-40

Chemical or enzymatical hydrolysis product of 10(S),11(S)-epoxy-9(S)-hydroxy-12(Z)-octadecenoic acid

9(S),12(S),13(S)-Trihydroxy-10(E)-octadecenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-14-39

5 x 100 microgram 14-1802-14-40

Chemical or enzymatical hydrolysis product of 12(R),13(S)-epoxy-9(S)-hydroxy-10(E)-octadecenoic acid

9(S),10(S),13(S)-Trihydroxy-11(E)-octadecenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1802-15-39

5 x 100 microgram 14-1802-15-40

Chemical and enzymatical hydrolysis product of 9(S),10(R)-epoxy-13(S)-hydroxy-11(E)-octadecenoic acid

9(S),10(S),11(R)-Trihydroxy-12(Z),15(Z)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1803-13-39

5 x 100 microgram 14-1803-13-40

Chemical or enzymatical hydrolysis product of 10(S),11(S)-epoxy-9(S)-hydroxy-12(Z),15(Z)-octadecadienoic acid

9(S),12(S),13(S)-Trihydroxy-10(E),15(Z)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1803-14-39

5 x 100 microgram 14-1803-14-40

Chemical or enzymatical hydrolysis product of 12(*R*),13(*S*)-epoxy-9(*S*)-hydroxy-10(*E*),15(*Z*)-octadecadienoic acid

9(*S*),10(*S*),13(*S*)-Trihydroxy-11(*E*),15(*Z*)-octadecadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1803-15-39

5 x 100 microgram 14-1803-15-40

Chemical or enzymatical hydrolysis product of 9(*S*),10(*R*)-epoxy-13(*S*)-hydroxy-11(*E*),15(*Z*)-octadecadienoic acid

Lyase-derived Oxylipins

3(*Z*)-Nonenal

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1802-27-4

Short-chain aldehyde formed from linoleic acid.

9-Oxononanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1802-24-4

Oxo-acid formed from Linoleic and Linolenic acid.

12-Oxo-9(*Z*)-dodecenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1802-25-4

5 x 5 mg 14-1802-25-44

Oxo-acid formed from linoleic and linolenic acids.

12-Oxo-10(*E*)-dodecenoic Acid (Traumatin)

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1802-26-4 295

5 x 5 mg 14-1802-26-44

Oxo-acid formed from linoleic and linolenic acids.

Other Oxylipins & Related Compounds

8(*Z*),11(*Z*),14(*Z*)-Heptadecatrienal

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1803-18-4

α -Dioxygenase product: aldehyde produced by spontaneous degradation of 2-hydroperoxylinolenic acid.

9,10,16-Trihydroxyhexadecanoic Acid (Aleuritic)

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1601-1-4

Anacardic Acid (6-[8(Z)-pentadecenyl]salicylic acid)

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 16-1501-4

Anacardic Acid (6-[8(Z),11(Z),14-pentadecatrienyl] salicylic acid)

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 16-1503-4

Oxygenated Fatty Acids – Oxylin related

Hydroxy Fatty Acids

7(R)-Hydroxyhexadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

50 microgram 14-1600-1-41

3(R)-Hydroxyhexadecanoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1600-3-4

8(R)-Hydroxyoctadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1800-1-4

9(R)-Hydroxyoctadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

25 mg 14-1800-2-7

13(S)-Hydroxyoctadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1800-3-4

3(R,S)-Hydroxy-11(Z),14(Z)-eicosadienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-2002-3-4

3(R,S)-Hydroxy-8(Z),11(Z),14(Z)-eicosatrienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-2003-1-4

3(R,S)-Hydroxy-11(Z),14(Z),17(Z)-eicosatrienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-2003-2-4

3(R,S)-Hydroxy-10(Z),13(Z),16(Z)-docosatrienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-2203-1-4

3(R,S)-Hydroxy-13(Z),16(Z),19(Z)-docosatrienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-2203-2-4

3(R,S)-Hydroxy-7(Z),10(Z),13(Z),16(Z)-docosatetraenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-2204-2-4

3(R,S)-Hydroxy-7(Z),10(Z),13(Z),16(Z),19(Z)-docosapentaenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-2205-2-4

Oxo Fatty Acids

2-Oxo-octadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1800-4-4

9-Oxo-octadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1800-5-4

12-Oxo-octadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1800-6-4

12-Oxo-9(Z)-octadecenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1801-20-4

13-Oxo-octadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1800-7-4

16-Oxo-octadecanoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-1800-8-39

Epoxy Fatty Acids

(±)-cis-9,10-Epoxyhexadecanoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1601-2-4

(±)-trans-9,10-Epoxyhexadecanoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1601-3-4

(±)-cis-6,7-Epoxyoctadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1801-4-4

(±)-cis-9,10-Epoxyoctadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1801-16f-4

(±)-trans-9,10-Epoxyoctadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1801-6-4

(±)-cis-12,13-Epoxyoctadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1801-7-4

12(S),13(R)-Epoxy-9(Z)-octadecenoic acid ((+)-Vernolic) Methyl Ester

Documentation: GC-MS / HPLC *Purity:* 97+%

25 mg 24-1802-16b-7

Dihydroxy Fatty Acids

(±)-erythro-9,10-Dihydroxyhexadecanoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1601-4-4

(±)-threo-9,10-Dihydroxyhexadecanoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1601-5-4

(±)-threo-6,7-Dihydroxyoctadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1801-12-4

(±)-erythro-9,10-Dihydroxyoctadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1801-19c-4

(±)-threo-9,10-Dihydroxyoctadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1801-19d-4

(±)-threo-12,13-Dihydroxyoctadecanoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

5 mg 14-1801-14-4

Eicosanoids

Eicosanoids (from gr. *icosa*, twenty) are oxygenated derivatives of 20-carbon fatty acids such as arachidonic acid and 5,8,11,14,17-eicosapentaenoic acid. Enzymatic formation of eicosanoids involves endoperoxide synthases, lipoxygenases or cytochrome P-450-containing monooxygenases. As a rule, the primary products of these enzymes are further modified by secondary conversions catalyzed by e.g. prostaglandin synthases, thromboxane A synthase, leukotriene A4 hydrolase and leukotriene C4 synthase. A second lipoxygenase-catalyzed oxygenation step can also take place. In this way a multitude of compounds belonging to the prostaglandin, leukotriene, lipoxin or resolvins subfamilies of eicosanoids are produced.

In recent years studies of the prostaglandin H2 → prostaglandin E2 conversion has led to the discovery of microsomal and cytosolic prostaglandin E synthases, and much effort is presently devoted to the development of inhibitors of these enzymes for use as antiinflammatory agents. Prostaglandin H2, the substrate for prostaglandin E synthases, is chemically unstable, however, during the last five years Larodan has supplied reliable and carefully calibrated preparations of this eicosanoid to both pharma and academia. A short review of prostaglandin E synthases is available at the Larodan website.

In addition, the growing interest in the 15-lipoxygenase pathway has created a demand of its primary product, *i.e.* 15(S)-HPETE, as well as its secondary products such as epoxides, epoxyalcohols and dihydroxy derivatives. Larodan has started supplying this type of products and the number of structures is gradually growing.

Prostaglandin H1 (PGH1)

Documentation: HPLC Purity: 97+%

1 mg 14-2004-2-1

Prostaglandin H2 (PGH2)

Documentation: HPLC Purity: 97+%

1 mg 14-2004-1-1

5 mg 14-2004-1-4

Prostaglandin G1 (PGG1)

Documentation: HPLC Purity: 97+%

500 microgram 14-2004-3-45

Prostaglandin G2 (PGG2)

Documentation: HPLC Purity: 97+%

500 microgram 14-2004-12-45

(±)-cis-5,6-Epoxy-8(Z),11(Z),14(Z)-eicosatrienoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-2004-5-1

N-[15(S)-Hydroxy-5(Z),8(Z),11(Z),13(E)-eicosatetraenoyl]-ethanolamine

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-2004-14-39

1 mg 14-2004-14-1

14(R),15(S)-Dihydroxy-5(Z),8(Z),10(E),12(E)-eicosatetraenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-2004-16-39

Product of 15(S)-HPETE.

14(S),15(S)-Dihydroxy-5(Z),8(Z),10(E),12(E)-eicosatetraenoic Acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 14-2004-17-39

Product of 15(S)-HPETE.

15(S)-Hydroperoxy-5(Z),8(Z),11(Z),13(E)-eicosatetraenoic acid [15(S)-HPETE]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-2004-19-1

15(S)-Hydroxy-5(Z),8(Z),11(Z),13(E)-eicosatetraenoic acid [15(S)-HETE]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-2004-20-1

15-Oxo-5(Z),8(Z),11(Z),13(E)-eicosatetraenoic acid [15-KETE]

Documentation: GC-MS / HPLC *Purity:* 97+%

1 mg 14-2004-21-1

13(R)-Hydroxy-14(S),15(S)-epoxy-5(Z),8(Z),11(Z)-eicosatrienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 24-2004-4-39

Product of 15(S)-HPETE. The methyl ester is supplied.

13(S)-Hydroxy-14(S),15(S)-epoxy-5(Z),8(Z),11(Z)-eicosatrienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 24-2004-6-39

Product of 15(S)-HPETE. The methyl ester is supplied.

11(R,S)-Hydroxy-14(S),15(S)-epoxy-5(Z),8(Z),12(E)-eicosatrienoic acid

Documentation: GC-MS / HPLC *Purity:* 97+%

100 microgram 24-2004-7-39

Product of 15(S)-HPETE. The methyl ester is supplied.

14,15-Leukotriene A4

Documentation: GC-MS / HPLC *Purity:* 97+%

500 microgram 24-2004-13-45

Product of 15(S)-HPETE. The methyl ester is supplied.

Acyl-L-Carnitine Chlorides / Native & D-Labelled

L-Carnitine is known for stimulating fatty acid oxidation through various tissues. This process is reversible involving Coenzyme A-SH facilitating the transport of fatty acids across mitochondrial membranes.

Deuterium labelled Acyl-L-Carnitines are primarily of interest in metabolic research.

L-Carnitine Chlorides - native

L-Carnitine, Free base (bovine)

Documentation: Data sheet *Purity:* 98+%

1 g 17-0000-13

L-Carnitine Hydrochloride (bovine)

Documentation: Data sheet *Purity:* 98+%

1 g 17-0100-13

Acetyl-L-Carnitine Chloride

No. of C: 2:0 *Documentation:* Data sheet *Purity:* 98+%

25 mg 17-0200-7

100 mg 17-0200-9

Acetyl-D-Carnitine Chloride

No. of C: 2:0 *Documentation:* Data sheet *Purity:* 98+%

25 mg 17-0210-7

100 mg 17-0210-9

Propionyl-L-Carnitine Chloride

No. of C: 3:0 *Documentation:* Data sheet *Purity:* 98+%

25 mg 17-0300-7

100 mg 17-0300-9

Butyryl-L-Carnitine Chloride

No. of C: 4:0 *Documentation:* Data sheet *Purity:* 98+%

25 mg 17-0400-7

100 mg 17-0400-9

Isobutyryl-L-Carnitine Chlorid

No. of C: 4:0 *Documentation:* Data sheet *Purity:* 95+%

25 mg 17-0450-7

100 mg 17-0450-9

Valeryl-L-Carnitine Chloride

No. of C: 5:0 Documentation: Data sheet Purity: 95+%

25 mg 17-0500-7

100 mg 17-0500-9

Isovaleryl-L-Carnitine Chloride

No. of C: 5:0 Documentation: Data sheet Purity: 95+%

25 mg 17-0550-7

100 mg 17-0550-9

Hexanoyl-L-Carnitine Chloride

No. of C: 6:0 Documentation: Data sheet Purity: 98+%

25 mg 17-0600-7

100 mg 17-0600-9

Octanoyl-L-Carnitine Chloride

No. of C: 8:0 Documentation: Data sheet Purity: 98+%

25 mg 17-0800-7

100 mg 17-0800-9

Decanoyl-L-Carnitine Chloride

No. of C: 10:0 Documentation: Data sheet Purity: 98+%

25 mg 17-1000-7

100 mg 17-1000-9

Lauroyl-L-Carnitine Chloride

No. of C: 12:0 Documentation: Data sheet Purity: 98+%

25 mg 17-1200-7

100 mg 17-1200-9

Myristoyl-L-Carnitine Chloride

No. of C: 14:0 Documentation: Data sheet Purity: 98+%

25 mg 17-1400-7

100 mg 17-1400-9

Palmitoyl-L-Carnitine Chloride

No. of C: 16:0 Documentation: Data sheet Purity: 98+%

25 mg 17-1600-7

100 mg 17-1600-9

Palmitoyl-D-Carnitine Chloride

No. of C: 16:0 Documentation: Data sheet Purity: 98+%

25 mg 17-1610-7

100 mg 17-1610-9

Stearoyl-L-Carnitine Chloride

No. of C: 18:0 Documentation: Data sheet Purity: 98+%

25 mg 17-1800-7

100 mg 17-1800-9

Linoleoyl-L-Carnitine Chloride

No. of C: 18:2 Documentation: Data sheet Purity: 98+%

25 mg 17-1820-7

100 mg 17-1820-9

D-Labelled L-Acyl Carnitine Hydrochlorides

L-Carnitine.HCl (methyl-D3)

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

10 mg 71-1731-5

50 mg 71-1731-8

Acetyl (D3)-L-Carnitine.HCl

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

10 mg 71-1732-5

25 mg 71-1732-7

50 mg 71-1732-8

Propionyl (3,3,3-D3)-L-Carnitine.HCl

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

10 mg 71-1733-5

50 mg 71-1733-8

Butyryl (4,4,4-D3)-L-Carnitine.HCl

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

10 mg 71-1734-5

50 mg 71-1734-8

Isobutyryl (D7)-L-Carnitine.HCl

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

10 mg 71-1774-5

50 mg 71-1774-8

Valeryl (5,5,5-D3)-L-Carnitine.HCl

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

10 mg 71-1735-5

50 mg 71-1735-8

Isovaleryl (D9)-L-Carnitine.HCl

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

10 mg 71-1795-5

50 mg 71-1795-8

Hexanoyl (6,6,6-D3)-L-Carnitine.HCl

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

10 mg 71-1736-5

50 mg 71-1736-8

Octanoyl (8,8,8-D3)-L-carnitine.HCl

*Documentation:*Data sheet *Purity:* >95 % *Deuterium:*>98 %

10 mg 71-1738-5

50 mg 71-1738-8

Decanoyl (10,10,10-D3)-L-Carnitine.HCl

*Documentation:*Data sheet *Purity:* >95 % *Deuterium:*>98 %

10 mg 71-1740-5

50 mg 71-1740-8

Dodecanoyl (12,12,12-D3)-L-Carnitine.HCl

*Documentation:*Data sheet *Purity:* >95 % *Deuterium:*>98 %

10 mg 71-1742-5

50 mg 71-1742-8

Tetradecanoyl (14,14,14-D3)-L-Carnitine.HCl

*Documentation:*Data sheet *Purity:* >95 % *Deuterium:*>98 %

10 mg 71-1744-5

50 mg 71-1744-8

Hexadecanoyl (16,16,16-D3)-L-Carnitine.HCl

*Documentation:*Data sheet *Purity:* >95 % *Deuterium:*>98 %

10 mg 71-1746-5

50 mg 71-1746-8

Octadecanoyl (18,18,18-D3)-L-Carnitine.HCl

*Documentation:*Data sheet *Purity:* >95 % *Deuterium:*>98 %

10 mg 71-1748-5

50 mg 71-1748-8

D,L-Carnitine.HCl (trimethyl-D9)

*Documentation:*Data sheet *Purity:* >95 % *Deuterium:*>98 %

25 mg 71-1791-7

Butyryl (4,4,4-D3)-(N-methyl-D3)-L-Carnitine.HCl

*Documentation:*Data sheet *Purity:* >95 % *Deuterium:*>98 %

71-1764-0

Octanoyl (8,8,8-D3)-(N-methyl-D3)-L-Carnitine.HCl

*Documentation:*Data sheet *Purity:* >95 % *Deuterium:*>98 %

71-1768-0

Hexadecanoyl (16,16,16-D3)-[N-methyl-D3]-L-Carnitine. HCl

*Documentation:*Data sheet *Purity:* >95 % *Deuterium:*>98 %

71-1776-0

Coenzyme A & CoA Esters

High purity Fatty Acid Coenzyme A esters for bioscientific research. A technical data sheet indicating spectrophotometric and chromatographic data is supplied with each product.

Coenzyme A, Free acid

Documentation: Data sheet *Purity:* 100% by spectral data

50 mg CoA-1001-8

250 mg CoA-1001-11

500 mg CoA-1001-12

1 g CoA-1001-13

Coenzyme A, Lithium salt

Documentation: Data sheet *Purity:* 98.5% by spectral data

50 mg CoA-1010-8

250 mg CoA-1010-11

500 mg CoA-1010-12

1 g CoA-1010-13

2 g CoA-1010-14

Acetyl Coenzyme A, Li salt

No. of C: 2:0 *Documentation:* Data sheet *Purity:* 92-98%

10 mg 19-0200-5

25 mg 19-0200-7

100 mg 19-0200-9

Propionyl Coenzyme A, Li salt

No. of C: 3:0 *Documentation:* Data sheet *Purity:* 92-98%

10 mg 19-0300-5

25 mg 19-0300-7

100 mg 19-0300-9

Butyryl Coenzyme A, Li salt

No. of C: 4:0 *Documentation:* Data sheet *Purity:* 92-98%

10 mg 19-0400-5

25 mg 19-0400-7

100 mg 19-0400-9

Crotonyl Coenzyme A, Li-salt

No. of C: 4:1 *Documentation:* Data sheet *Purity:* 92-98%

10 mg 19-0410-5

25 mg 19-0410-7

Hexanoyl Coenzyme A, Li salt

No. of C: 6:0 *Documentation:* Data sheet *Purity:* 92-98%

10 mg 19-0600-5

25 mg 19-0600-7

100 mg 19-0600-9

Octanoyl Coenzyme A, Free acid

No. of C: 8:0 Documentation: Data sheet Purity: 92-98%

10 mg 19-0800-5

25 mg 19-0800-7

100 mg 19-0800-9

Decanoyl Coenzyme A, Free acid

No. of C: 10:0 Documentation: Data sheet Purity: 92-98%

10 mg 19-1000-5

25 mg 19-1000-7

Lauroyl Coenzyme A, Free acid

No. of C: 12:0 Documentation: Data sheet Purity: 92-98%

10 mg 19-1200-5

25 mg 19-1200-7

100 mg 19-1200-9

Myristoyl Coenzyme A, Free acid

No. of C: 14:0 Documentation: Data sheet Purity: 92-98%

10 mg 19-1400-5

25 mg 19-1400-7

100 mg 19-1400-9

Palmitoyl Coenzyme A, K salt

No. of C: 16:0 Documentation: Data sheet Purity: 92-98%

10 mg 19-1600-5 100

25 mg 19-1600-7

100 mg 19-1600-9

Heptadecanoyl Coenzyme A, Free acid

No. of C: 17:0 Documentation: Data sheet Purity: 92-98%

10 mg 19-1700-5

Stearoyl Coenzyme A, Free acid

No. of C: 18:0 Documentation: Data sheet Purity: 92-98%

10 mg 19-1800-5

25 mg 19-1800-7

100 mg 19-1800-9

Oleoyl Coenzyme A, K salt

No. of C: 18:1 Documentation: Data sheet Purity: 92-98%

10 mg 19-1815-5

25 mg 19-1815-7

100 mg 19-1815-9

Linoleoyl Coenzyme A, Free acid

No. of C: 18:2 Documentation: Data sheet Purity: 92-98%

5 mg 19-1820-4

10 mg 19-1820-5

Nonadecanoyl Coenzyme A, Free acid

No. of C: 19:0 Documentation: Data sheet Purity: 92-98%

10 mg 19-1900-5

Arachidonoyl Coenzyme A, Li salt

No. of C: 20:4 Documentation: Data sheet Purity: 92-98%

19-2004-0

Methyl Branched Fatty Acids and Methyl Esters – Native/ D-labelled

Larodan supplies a range of methyl branched fatty acids known as Iso- and Anteiso Fatty Acids , Phytanic Acid, Pristanic Acid and other microbiologically important fatty acids and their Methyl Esters .

Iso- and anteiso fatty acids occur in lipids originating from wool and butter fats, tobacco and bacterial lipids of special interest in microbiological and natural product applications.

Phytanic / Pristanic Acid & Derivatives

Pristanic Acid

Documentation: GC / MS Purity: min. 98%

5 mg 11-1500-4

25 mg 11-1500-7

Methyl Pristanate

Documentation: GC / MS Purity: min. 98%

5 mg 21-1500-4

25 mg 21-1500-7

Phytanic Acid

Documentation: GC Purity: 97%

50 mg 11-1600-8

100 mg 11-1600-9

500 mg 11-1600-12

1 g 11-1600-13 1

Methyl Phytanate

Documentation: GC Purity: 98%

50 mg 21-1600-8

100 mg 21-1600-9

500 mg 21-1600-12

1 g 21-1600-13 1

2-Hydroxyphytanic Acid

Documentation: GC / MS Purity: min. 98%

5 mg 14-1642-4

25 mg 14-1642-7

Phytanic Acid (3-methyl-D3)

Documentation: GC Purity: >95 % Deuterium: >98 %

25 mg 71-1600-7

50 mg 71-1600-8

Pristanic Acid (2-methyl-D3)

Documentation: GC Purity: >95 % Deuterium: >98 %

25 mg 71-1500-7

50 mg 71-1500-8

Iso-Acids(CH₃)₂CH-(CH₂)_n-COOH

6-Methylheptanoic Acid

No. of C: 8 Documentation: GC Purity: 98+%

11-0706-0

8-Methylnonanoic Acid

No. of C: 10 Documentation: GC Purity: 98+%

25 mg 11-0908-7

100 mg 11-0908-9

250 mg 11-0908-11

10-Methylundecanoic Acid

No. of C: 12 Documentation: GC Purity: 98+%

25 mg 11-1110-7

100 mg 11-1110-9

250 mg 11-1110-11

11-Methyldodecanoic Acid

No. of C: 13 Documentation: GC Purity: 98+%

25 mg 11-1211-7

100 mg 11-1211-9

250 mg 11-1211-11

12-Methyltridecanoic Acid

No. of C: 14 Documentation: GC Purity: 98+%

25 mg 11-1312-7

100 mg 11-1312-9

250 mg 11-1312-11

13-Methyltetradecanoic Acid

No. of C: 15 Documentation: GC Purity: 98+%

25 mg 11-1413-7

100 mg 11-1413-9

250 mg 11-1413-11

14-Methylpentadecanoic Acid

No. of C: 16 Documentation: GC Purity: 98+%

25 mg 11-1514-7

100 mg 11-1514-9

250 mg 11-1514-11 580

15-Methylhexadecanoic Acid

No. of C: 17 Documentation: GC Purity: 98+%

25 mg 11-1615-7

100 mg 11-1615-9

250 mg 11-1615-11 580

16-Methylheptadecanoic Acid

No. of C: 18 Documentation: GC Purity: 98+%

25 mg 11-1716-7

100 mg 11-1716-9

250 mg 11-1716-11 580

17-Methyloctadecanoic Acid

No. of C: 19 Documentation: GC Purity: 98+%

25 mg 11-1817-7

100 mg 11-1817-9

250 mg 11-1817-11

18-Methylnonadecanoic Acid

No. of C: 20 Documentation: GC Purity: 98+%

25 mg 11-1918-7

100 mg 11-1918-9

250 mg 11-1918-11

19-Methyleicosanoic Acid

No. of C: 21 Documentation: GC Purity: 98+%

25 mg 11-2019-7

100 mg 11-2019-9

250 mg 11-2019-11

11-Methyl-2(Z)-dodecenoic Acid

No. of C: 13 Documentation: Data sheet Purity: 98+%

1 mg 11-1251-1 85

5 mg 11-1251-4

11-Methyl-2(E)-dodecenoic Acid

No. of C: 13 Documentation: Data sheet Purity: 98+%

1 mg 11-1261-1 65

5 mg 11-1261-4

Iso-Acids(CH₃)₂CH-(CH₂)_n-COOCH₃ Methyl Esters

Methyl 8-methylnonanoate

Documentation: GC Purity: 98+%

25 mg 21-0908-7

100 mg 21-0908-9

250 mg 21-0908-11

Methyl 10-methylundecanoate

Documentation: GC Purity: 98+%

25 mg 21-1110-7

100 mg 21-1110-9

250 mg 21-1110-11

Methyl 11-methyldodecanoate

Documentation: GC Purity: 98+%

25 mg 21-1211-7

100 mg 21-1211-9

250 mg 21-1211-11

Methyl 12-methyltridecanoate

Documentation: GC Purity: 98+%

25 mg 21-1312-7

100 mg 21-1312-9

250 mg 21-1312-11

Methyl 13-methyltetradecanoate

Documentation: GC Purity: 98+%

25 mg 21-1413-7

100 mg 21-1413-9

250 mg 21-1413-11

Methyl 14-methylpentadecanoate

Documentation: GC Purity: 98+%

25 mg 21-1514-7

100 mg 21-1514-9

250 mg 21-1514-11

Methyl 15-methylhexadecanoate

Documentation: GC Purity: 98+%

25 mg 21-1615-7

100 mg 21-1615-9

250 mg 21-1615-11

Methyl 16-methylheptadecanoate

Documentation: GC Purity: 98+%

25 mg 21-1716-7

100 mg 21-1716-9

250 mg 21-1716-11

Methyl 17-methyloctadecanoate

Documentation: GC Purity: 98+%

25 mg 21-1817-7

100 mg 21-1817-9

250 mg 21-1817-11

Methyl 18-methylnonadecanoate

Documentation: GC Purity: 98+%

25 mg 21-1918-7

100 mg 21-1918-9

250 mg 21-1918-11

Methyl 19-methyleicosanoate

Documentation: GC Purity: 98+%

25 mg 21-2019-7

100 mg 21-2019-9

250 mg 21-2019-11

Anteiso-Acids $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{-(CH}_2\text{)}_n\text{-COOH}$

9-Methylundecanoic Acid

No. of C: 12 Documentation: GC Purity: 98+%

25 mg 11-1109-7

100 mg 11-1109-9

250 mg 11-1109-11

10-Methyldodecanoic Acid

No. of C: 13 Documentation: GC Purity: 98+%

25 mg 11-1210-7

100 mg 11-1210-9

250 mg 11-1210-11

11-Methyltridecanoic Acid

No. of C: 14 Documentation: GC Purity: 98+%

25 mg 11-1311-7

100 mg 11-1311-9

250 mg 11-1311-11

12-Methyltetradecanoic Acid

No. of C: 15 Documentation: GC Purity: 98+%

25 mg 11-1412-7

100 mg 11-1412-9

250 mg 11-1412-11

13-Methylpentadecanoic Acid

No. of C: 16 Documentation: GC Purity: 98+%

25 mg 11-1513-7

100 mg 11-1513-9

250 mg 11-1513-11

14-Methylhexadecanoic Acid

No. of C: 17 Documentation: GC Purity: 98+%

25 mg 11-1614-7

100 mg 11-1614-9

250 mg 11-1614-11

15-Methylheptadecanoic Acid

No. of C: 18 Documentation: GC Purity: 98+%

25 mg 11-1715-7

100 mg 11-1715-9

250 mg 11-1715-11

16-Methyloctadecanoic Acid

No. of C: 19 Documentation: GC Purity: 98+%

25 mg 11-1816-7

100 mg 11-1816-9

250 mg 11-1816-11

Anteiso-Acids $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)(\text{CH}_2)_n\text{COOCH}_3$ Methyl Esters

Methyl 9-methylundecanoate

Documentation: GC Purity: 98+%

25 mg 21-1109-7

100 mg 21-1109-9

250 mg 21-1109-11

Methyl 10-methyldodecanoate

Documentation: GC Purity: 98+%

25 mg 21-1210-7

100 mg 21-1210-9

250 mg 21-1210-11

Methyl 11-methyltridecanoate

Documentation: GC Purity: 98+%

25 mg 21-1311-7

100 mg 21-1311-9

250 mg 21-1311-11

Methyl 12-methyltetradecanoate

Documentation: GC Purity: 98+%

25 mg 21-1412-7

100 mg 21-1412-9

250 mg 21-1412-11

Methyl 13-methylpentadecanoate

Documentation: GC Purity: 98+%

25 mg 21-1513-7

100 mg 21-1513-9

250 mg 21-1513-11

Methyl 14-methylhexadecanoate

Documentation: GC Purity: 98+%

25 mg 21-1614-7

100 mg 21-1614-9

250 mg 21-1614-11

Methyl 15-methylheptadecanoate

Documentation: GC Purity: 98+%

25 mg 21-1715-7

100 mg 21-1715-9

250 mg 21-1715-11

Methyl 16-methyloctadecanoate

Documentation: GC Purity: 98+%

25 mg 21-1816-7

100 mg 21-1816-9

250 mg 21-1816-11

10-Methyl Fatty Acids & Methyl Esters - Microbiological

10-Methylhexadecanoic Acid

Documentation: Not included Purity: 98+%

25 mg 11-1610-7

Methyl 10-methylhexadecanoate

Documentation: Not included *Purity:* 98+%

25 mg 21-1610-7

Cyclopropyl Fatty Acids & Methyl Esters

cis-9, 10-Methylenehexadecanoic Acid

Documentation: Not included *Purity:* 98+%

13-1709-0

9(R), 10(S)-Methyleneoctadecanoic Acid

(Dihydrosterculic acid, natural form)

5mg 13-1710-4

cis-9, 10-Methyleneoctadecanoic Acid (Dihydrosterculic Acid)

Documentation: Not included *Purity:* 98+%

25 mg 13-1909-7

Methyl cis-9,10-Methylenehexadecanoate

Documentation: Not included *Purity:* 98+%

23-1709-0

9(R), 10(S)-Methyleneoctadecanoic Acid Methyl Ester

5mg 23-1710-4

Methyl cis-9,10-Methyleneoctadecanoate

Documentation: Not included *Purity:* 98+%

25 mg 23-1909-7

Methyl cis-11,12-Methyleneoctadecanoate

Documentation: Not included *Purity:* 98+%

23-1911-0

Hydroxy Fatty Acids/ Methyl Esters

Racemic if not otherwise stated.

Hydroxy fatty acids are formed by metabolism of fatty acid and fatty acid oxidation.

2-Hydroxy fatty acids are important structural components in biologic substances, e.g. in glycosphingolipids.

3- Hydroxy fatty acids are biochemically generated by microorganisms.

For Oxylipin related Oxygenated Fatty Acids - see under "Oxylipins".

2-Hydroxy Fatty Acids

2-Hydroxyoctanoic acid

No. of C: 8:0 Documentation: GC Purity: 98+%

50 mg 14-0802-8

250 mg 14-0802-

1 g 14-0802-13

2-Hydroxydecanoic Acid

No. of C: 10:0 Documentation: GC Purity: 98+%

50 mg 14-1002-8

250 mg 14-1002-

1 g 14-1002-13

2-Hydroxydodecanoic Acid

No. of C: 12:0 Documentation: GC Purity: 98+%

50 mg 14-1202-8

250 mg 14-1202-

1 g 14-1202-13 650

2-Hydroxytetradecanoic Acid

No. of C: 14:0 Documentation: GC Purity: 98+%

50 mg 14-1402-8

250 mg 14-1402-

1 g 14-1402-13

2-Hydroxyhexadecanoic Acid

No. of C: 16:0 Documentation: GC Purity: 98+%

50 mg 14-1602-8

250 mg 14-1602-

1 g 14-1602-13

2-Hydroxyoctadecanoic Acid

No. of C: 18:0 Documentation: GC Purity: 98+%

50 mg 14-1802-8

250 mg 14-1802-

1 g 14-1802-13

2-Hydroxyeicosanoic Acid

No. of C: 20:0 Documentation: GC Purity: 98+%

50 mg 14-2002-8

250 mg 14-2002-11

1 g 14-2002-13

2-Hydroxydocosanoic Acid

No. of C: 22:0 Documentation: GC Purity: 98+%

50 mg 14-2202-8

250 mg 14-2202-11

1 g 14-2202-13

2-Hydroxytricosanoic Acid

No. of C: 23:0 Documentation: Not included Purity: 98+%

10 mg 14-2302-5

2-Hydroxytetracosanoic Acid

No. of C: 24:0 Documentation: Not included Purity: 98+%

5 mg 14-2402-4

2-Hydroxy Fatty Acids Methyl Esters

Methyl 2-Hydroxyoctanoate

Documentation: GC Purity: 98+%

50 mg 24-0802-8

250 mg 24-0802-

1 g 24-0802-13

Methyl 2-Hydroxydecanoate

Documentation: GC Purity: 98+%

50 mg 24-1002-8

250 mg 24-1002-

1 g 24-1002-13

Methyl 2-Hydroxydodecanoate

Documentation: GC Purity: 98+%

50 mg 24-1202-8

250 mg 24-1202-

1 g 24-1202-13

Methyl 2-Hydroxytetradecanoate

Documentation: GC Purity: 98+%

50 mg 24-1402-8

250 mg 24-1402-

1 g 24-1402-13

Methyl 2-Hydroxyhexadecanoate

Documentation: GC Purity: 98+%

50 mg 24-1602-8

250 mg 24-1602-

1 g 24-1602-13

Methyl 2-Hydroxyoctadecanoate

Documentation: GC Purity: 98+%

50 mg 24-1802-8

250 mg 24-1802-

1 g 24-1802-13

Methyl 2-Hydroxyeicosanoate

Documentation: GC Purity: 98+%

50 mg 24-2002-8

250 mg 24-2002-11

1 g 24-2002-13

Methyl 2-Hydroxydocosanoate

Documentation: GC Purity: 98+%

50 mg 24-2202-8

250 mg 24-2202-11

1 g 24-2202-13

Methyl 2-Hydroxytricosanoate

Documentation: Not included Purity: 98+%

10 mg 24-2302-5

Methyl 2-Hydroxytetracosanoate

Documentation: Not included Purity: 98+%

5 mg 24-2402-4

3-Hydroxy Fatty Acids

3-Hydroxyhexanoic Acid

Documentation: Not included Purity: 98%

25 mg 14-0603-7

3-Hydroxyoctanoic Acid

Documentation: GC Purity: 98+%

50 mg 14-0803-8

250 mg 14-0803-11

1 g 14-0803-13

3-Hydroxynonanoic Acid

Documentation: GC Purity: 98+%

50 mg 14-0903-8

250 mg 14-0903-11

1 g 14-0903-13

3-Hydroxydecanoic Acid

Documentation: GC Purity: 98+%

50 mg 14-1003-8

250 mg 14-1003-11

1 g 14-1003-13

3-Hydroxyundecanoic Acid

Documentation: GC Purity: 98+%

50 mg 14-1103-8

250 mg 14-1103-11

1 g 14-1103-13

3-Hydroxydodecanoic Acid

Documentation: GC Purity: 98+%

50 mg 14-1203-8

250 mg 14-1203-11

1 g 14-1203-13

3-Hydroxytridecanoic Acid

Documentation: GC Purity: 98+%

50 mg 14-1303-8

250 mg 14-1303-11

1 g 14-1303-13

3-Hydroxytetradecanoic Acid

Documentation: GC Purity: 9+8%

50 mg 14-1403-8

250 mg 14-1403-11

1 g 14-1403-13

(R)-3-Hydroxytetradecanoic Acid

Documentation: CoA Purity: 98%

25 mg 14-1413-7

100 mg 14-1413-9

(S)-3-Hydroxytetradecanoic Acid

Documentation: CoA Purity: 98%

25 mg 14-1423-7

100 mg 14-1423-9

3-Hydroxypentadecanoic Acid

Documentation: GC Purity: 98+%

50 mg 14-1503-8

250 mg 14-1503-11

1 g 14-1503-13

3-Hydroxyhexadecanoic Acid

Documentation: GC Purity: 98+%

50 mg 14-1603-8

250 mg 14-1603-11

1 g 14-1603-13

3-Hydroxyheptadecanoic Acid

Documentation: GC Purity: 97%

25 mg 14-1703-7

3-Hydroxyoctadecanoic Acid

Documentation: GC Purity: 98+%

50 mg 14-1803-8

250 mg 14-1803-11

1 g 14-1803-13

3-Hydroxy Fatty Acids Methyl Esters

Methyl 3-Hydroxyhexanoate

Documentation: Not Included Purity: 98+%

25 mg 24-0603-7

Methyl 3-Hydroxyoctanoate

Documentation: GC Purity: 98+%

50 mg 24-0803-8

250 mg 24-0803-11

1 g 24-0803-13

Methyl 3-Hydroxynonanoate

Documentation: GC Purity: 98+%

50 mg 24-0903-8

250 mg 24-0903-11

1 g 24-0903-13

Methyl 3-Hydroxydecanoate

Documentation: GC Purity: 98+%

50 mg 24-1003-8

250 mg 24-1003-11

1 g 24-1003-13

Methyl 3-Hydroxyundecanoate

Documentation: GC Purity: 98+%

50 mg 24-1103-8

250 mg 24-1103-11 375

1 g 24-1103-13 1020

Methyl 3-Hydroxydodecanoate

Documentation: GC Purity: 98+%

50 mg 24-1203-8

250 mg 24-1203-11

1 g 24-1203-13

Methyl 3-Hydroxytridecanoate

Documentation: GC Purity: 98+%

50 mg 24-1303-8

250 mg 24-1303-11

1 g 24-1303-13

Methyl 3-Hydroxytetradecanoate

Documentation: GC Purity: 98+%

50 mg 24-1403-8

250 mg 24-1403-11

1 g 24-1403-13

Methyl-(R)-3-Hydroxytetradecanoate

Documentation: CoA Purity: 98%

25 mg 24-1413-7

100 mg 24-1413-9

Methyl-(S)-3-Hydroxytetradecanoate

Documentation: CoA Purity: 98%

25 mg 24-1423-7

100 mg 24-1423-9

Methyl 3-Hydroxypentadecanoate

Documentation: GC Purity: 98+%

50 mg 24-1503-8

250 mg 24-1503-11

1 g 24-1503-13

Methyl 3-Hydroxyhexadecanoate

Documentation: GC Purity: 98+%

50 mg 24-1603-8

250 mg 24-1603-11

1 g 24-1603-13

Methyl 3-Hydroxyheptadecanoate

Documentation: GC Purity: 97%

25 mg 24-1703-7

Methyl 3-Hydroxyoctadecanoate

Documentation: GC Purity: 98+%

50 mg 24-1803-8 85

250 mg 24-1803-11

1 g 24-1803-13

Omega – Hydroxy Fatty Acids

14-Hydroxytetradecanoic Acid

Please inquire

15-Hydroxypentadecanoic Acid

Documentation: Not included *Purity:* 98+%

25 mg 14-1515-7

17-Hydroxyheptadecanoic Acid

Documentation: Not included *Purity:* 98+%

25 mg 14-1717-7

18-Octadecanoic Acid

Please inquire

20-Hydroxyeicosanoic Acid

Documentation: Not included *Purity:* 98+%

25 mg 14-2020-7

21-Hydroxyheneicosanoic Acid

Documentation: Not included *Purity:* 98+%

25 mg 14-2121-7

22-Hydroxydocosanoic Acid

Documentation: Not included *Purity:* 98+%

25 mg 14-2222-7

Omega – Hydroxy Fatty Acids Methyl Esters

Methyl 15-Hydroxypentadecanoate

Documentation: Not included *Purity:* 98+%

25 mg 24-1515-7

Methyl 17-Hydroxyheptadecanoate

Documentation: Not included *Purity:* 98+%

25 mg 24-1717-7

Methyl 20-Hydroxyeicosanoate

Documentation: Not included *Purity:* 98+%

25 mg 24-2020-7

Methyl 21-Hydroxyheneicosanoate

Documentation: Not included *Purity:* 98+%

25 mg 24-2121-7

Methyl 22-Hydroxydocosanoate

Documentation: Not included *Purity:* 98+%

25 mg 24-2222-7

Methyl 27-Hydroxyheptacosanoate

Documentation: Not included *Purity:* 98+%

25 mg 24-2727-7

Methyl 30-Hydroxytriacontanoate

Documentation: Not included *Purity:* 98+%

25 mg 24-3030-7

Other Microbiological Hydroxy Fatty Acids & Methyl Esters

6-Hydroxypalmitic Acid

Documentation: Not included *Purity:* 98+%

10 mg 14-1614-5

12-Hydroxystearic Acid

Documentation: Not included *Purity:* 98+%

100 mg 14-1820-9

1 g 14-1820-13

10 g 14-1820-17

100 g 14-1820-21

Methyl threo-2,3-Dihydroxypalmitate

Documentation: Not included *Purity:* 98+%

10 mg 24-1620-5 160

Methyl 12-Hydroxystearate

Documentation: Not included *Purity:* 98+%

100 mg 24-1820-9 20

Glycerides – Mono-/Di-/Tri- Synthetic

Triglycerides are the main components in lipids of various origins, e.g. oils and fats from plants and animals, in biological tissues and membranes.

Besides their physiological role in human and animal metabolism and nutrition, glycerides are widely used in various technical applications.

Monoglycerides (racemic) Saturated

Monocaproin (Monohexanoin)

No. of C: 6:0 *Mw:* 190.2 *Documentation:* GC / TLC *Purity:* 97%

100 mg 31-0600-9

500 mg 31-0600-

1 g 31-0600-13

Monocaprylin (Monooctanoin)

No. of C: 8:0 *Mw:* 218.3 *Documentation:* GC / TLC *Purity:* 99%

100 mg 31-0800-9

500 mg 31-0800-12

1 g 31-0800-13

1-Monocaprylin

No. of C: 8:0 Documentation: GC / TLC Purity: 99%

50 mg 31-0801-8

250 mg 31-0801-

Monopelargonin (Monononanoin)

No. of C: 9:0 Mw: 232.3 Documentation: GC / TLC Purity: 99%

100 mg 31-0900-9

500 mg 31-0900-12

1 g 31-0900-13

Monocaprin (Monodecanoin)

No. of C: 10:0 Mw: 246.3 Documentation: GC / TLC Purity: 99%

100 mg 31-1000-9

500 mg 31-1000-12

1 g 31-1000-13

1-Monocaprin

No. of C: 10:0 Documentation: GC / TLC Purity: 99%

50 mg 31-1001-8

250 mg 31-1001-11

Monoundecanoin

No. of C: 11:0 Mw: 260.4 Documentation: GC / TLC Purity: 99%

100 mg 31-1100-9

500 mg 31-1100-12

1 g 31-1100-13

Monolaurin (Monododecanoin)

No. of C: 12:0 Mw: 274.4 Documentation: GC / TLC Purity: 99%

100 mg 31-1200-9

500 mg 31-1200-12

1 g 31-1200-13

1-Monolaurin

No. of C: 12:0 Documentation: GC / TLC Purity: 99%

50 mg 31-1201-8

250 mg 31-1201-11

2-Monolaurin

No. of C: 12:0 Documentation: GC / TLC Purity: 95-99%

may contain 1-4% of the 1-isomer

31-1202-0

Monotridecanoin

No. of C: 13:0 Documentation:GC / TLC Purity: 99%

100 mg 31-1300-9

500 mg 31-1300-12

1 g 31-1300-13

1-Monotridecanoin

No. of C: 13:0 Documentation: GC / TLC Purity: 99%

31-1301-0

Monomyristin (Monotetradecanoin)

No. of C: 14:0 : Documentation: GC / TLC Purity: 99%

100 mg 31-1400-9

500 mg 31-1400-12

1 g 31-1400-13

1-Monomyristin

No. of C: 14:0 Documentation: GC / TLC Purity: 99%

50 mg 31-1401-8

250 mg 31-1401-

2-Monomyristin

No. of C: 14:0 Documentation: GC / TLC Purity: 95-99%

may contain 1-4% of the 1-isomer

31-1402-0

Monopentadecanoin

No. of C: 15:0 Mw: 316.4 Documentation: GC / TLC Purity: 99%

100 mg 31-1500-9

500 mg 31-1500-12

1 g 31-1500-13

1-Monopentadecanoin

No. of C: 15:0 Documentation: GC / TLC Purity: 99%

31-1501-0

Monopalmitin (Monohexadecanoin)

No. of C: 16:0 Mw: 330.5 Documentation: GC / TLC Purity: 99%

100 mg 31-1600-9

500 mg 31-1600-12

1 g 31-1600-13

1-Monopalmitin

No. of C: 16:0 Documentation: GC / TLC Purity: 99%

50 mg 31-1601-8

250 mg 31-1601-

2-Monopalmitin

No. of C: 16:0 Documentation: GC / TLC Purity: 95-99%

may contain 1-4% of the 1-isomer

31-1602-0

Monoheptadecanoin

No. of C: 17:0 Mw: 344.5 Documentation: GC / TLC Purity: 99%

100 mg 31-1700-9

500 mg 31-1700-12

1 g 31-1700-13

1-Monoheptadecanoin

No. of C: 17:0 Documentation: GC / TLC Purity: 99%

31-1701-0

Monostearin (Monooctadecanoin)

No. of C: 18:0 Mw: 358.5 Documentation: GC / TLC Purity: 99%

100 mg 31-1800-9

500 mg 31-1800-12

1 g 31-1800-13

1-Monostearin

No. of C: 18:0 Documentation: GC / TLC Purity: 99%

50 mg 31-1801-8

250 mg 31-1801

2-Monostearin

No. of C: 18:0 Documentation: GC / TLC Purity: 95-99%

may contain 1-4% of the 1-isomer

31-1802-0

Monononadecanoin

No. of C: 19:0 Mw: 372.5 Documentation: GC / TLC Purity: 99%

50 mg 31-1900-8

250 mg 31-1900-11

Monoarachidin (Monoeicosanoin)

No. of C: 20:0 Mw: 386.6 Documentation: GC / TLC Purity: 99%

100 mg 31-2000-9

500 mg 31-2000-12

1 g 31-2000-13

1-Monoarachidin

No. of C: 20:0 Documentation: GC / TLC Purity: 99%

31-2001-0

Monoheneicosanoin

No. of C: 21:0 Mw: 400.6 Documentation: GC / TLC Purity: 99%

50 mg 31-2100-8

250 mg 31-2100-11

Monobehenin (Monodocosanoin)

No. of C: 22:0 Mw: 414.6 Documentation: GC / TLC Purity: 99%

100 mg 31-2200-9

500 mg 31-2200-12

1 g 31-2200-13

Monoglycerides (racemic) Unsaturated

Monomyristolein (9c)

No. of C: 14:1 Mw: 300.4 Documentation: GC / TLC Purity: 99%

25 mg 31-1410-7

Monopalmitolein (9c)

No. of C: 16:1 Mw: 328.5 Documentation: GC / TLC Purity: 99%

25 mg 31-1610-7

100 mg 31-1610-9

500 mg 31-1610-12

Monoolein

No. of C: 18:1 Mw: 356.5 Documentation: GC / TLC Purity: 99%

100 mg 31-1810-9

500 mg 31-1810-12

1-Monoolein

No. of C: 18:1 Documentation: GC / TLC Purity: 99%

25 mg 31-1811-7

100 mg 31-1811-9

500 mg 31-1811-12

2-Monoolein

No. of C: 18:1 Documentation: GC / TLC Purity: 95-99%

may contain 1-4% of the 1-isomer

31-1812-0

Monoelaidin (9tr)

No. of C: 18:1 Mw: 356.5 Documentation: GC / TLC Purity: 99%

25 mg 31-1850-7

100 mg 31-1850-9

500 mg 31-1850-12

Monolinolein (9c, 12c)

No. of C: 18:2 Mw: 354.5 Documentation: GC / TLC Purity: 99%

25 mg 31-1820-7

100 mg 31-1820-9

500 mg 31-1820-12

1-Monolinolein

No. of C: 18:2 Documentation: GC / TLC Purity: 99%

25 mg 31-1821-7

100 mg 31-1821-9

500 mg 31-1821-12 210

Monolinoelaidin (9tr, 12tr)

No. of C: 18:2 Mw: 354.5 Documentation: GC / TLC Purity: 99%

25 mg 31-1860-7

3 x 25 mg 31-1860-29

Monolinolenin (9c, 12c, 15c)

No. of C: 18:3 Mw: 352.5 Documentation: GC / TLC Purity: 99%

25 mg 31-1830-7

3 x 25 mg 31-1830-29

Monogammalinolenin (6c, 9c, 12c)

No. of C: 18:3 Mw: 352.5 Documentation: GC / TLC Purity: 99%

25 mg 31-1835-7

3 x 25 mg 31-1835-29

Monoeicosenoin

No. of C: 20:1 Mw: 384.5 Documentation: GC / TLC Purity: 99%

31-2010-0

Monoarachidonin (5c, 8c, 11c, 14c)

No. of C: 20:4 Mw: 378.6 Documentation: GC / TLC Purity: 99%

25 mg 31-2040-7

3 x 25 mg 31-2040-29

Monoerucin (13c)

No. of C: 22:1 Mw: 412.6 Documentation: GC / TLC Purity: 99%

25 mg 31-2210-7

100 mg 31-2210-9

500 mg 31-2210-12

Monodocosahexaenoin (4,7,10,13,16,19-all cis)

No. of C: 22:6 Mw: 402.6 Documentation: GC / TLC Purity: 99%

25 mg 31-2260-7

Mononervonin (15c)

No. of C: 24:1 Mw: 440.7 Documentation: GC / TLC Purity: 99%

25 mg 31-2410-7

3 x 25 mg 31-2410-29

Diglycerides (racemic) Saturated -Single Fatty Acid Composition

Dicaprylin (Diocetanoin)

No. of C: 8:0 Mw: 344.5 Documentation: TLC Purity: 99%

100 mg 32-0800-9

500 mg 32-0800-12

1 g 32-0800-13

1,3-Dicaprylin

No. of C: 8:0 Documentation: TLC Purity: 99%

50 mg 32-0803-8

Dicaprin (Didecanoin)

No. of C: 10:0 Mw: 400.6 Documentation: TLC Purity: 99%

100 mg 32-1000-9

500 mg 32-1000-12

1 g 32-1000-13

1,3-Dicaprin

No. of C: 10:0 Documentation: TLC Purity: 99%

50 mg 32-1003-8

Dilaurin (Didodecanoin)

No. of C: 12:0 Mw: 456.7 Documentation: TLC Purity: 99%

100 mg 32-1200-9

500 mg 32-1200-

1 g 32-1200-13

1,3-Dilaurin

No. of C: 12:0 Documentation: TLC Purity: 99%

50 mg 32-1203-8

250 mg 32-1203-11

1 g 32-1203-13

Ditridecanoin

No. of C: 13:0 Mw: 484.7 Documentation: TLC Purity: 99%

100 mg 32-1300-9

500 mg 32-1300-12

1,3-Ditridecanoin

No. of C: 13:0 Documentation: TLC Purity: 99%

50 mg 32-1303-8

Dimyristin (Ditetradecanoin)

No. of C: 14:0 Mw: 512.8 Documentation: TLC Purity: 99%

100 mg 32-1400-9

500 mg 32-1400-12

1 g 32-1400-13

1,2-Dimyristin

No. of C: 14:0 Documentation: TLC Purity: 99%

50 mg 32-1402-8

250 mg 32-1402-11

1 g 32-1402-130

1,3-Dimyristin

No. of C: 14:0 Documentation: TLC Purity: 99%

50 mg 32-1403-8

250 mg 32-1403-11

1 g 32-1403-13

Dipentadecanoin

No. of C: 15:0 Mw: 540.9 Documentation: TLC Purity: 99%

100 mg 32-1500-9

500 mg 32-1500-12

1,2-Dipentadecanoin

No. of C: 15:0 Documentation: TLC Purity: 99%

32-1502-0

1,3-Dipentadecanoin

No. of C: 15:0 Documentation: TLC Purity: 99%

50 mg 32-1503-8

Dipalmitin (Dihexadecanoin)

No. of C: 16:0 Mw: 568.9 Documentation: TLC Purity: 99%

100 mg 32-1600-9

500 mg 32-1600-12

1 g 32-1600-13

1,2-Dipalmitin

No. of C: 16:0 Documentation: TLC Purity: 99%

50 mg 32-1602-8

250 mg 32-1602-11

1 g 32-1602-13

1,3-Dipalmitin

No. of C: 16:0 Documentation: TLC Purity: 99%

50 mg 32-1603-8

250 mg 32-1603-11

1 g 32-1603-13

Diheptadecanoin

No. of C: 17:0 Mw: 596.9 Documentation: TLC Purity: 99%

100 mg 32-1700-9

500 mg 32-1700-12

1,2-Diheptadecanoin

No. of C: 17:0 Documentation: TLC Purity: 99%

32-1702-0

1,3-Diheptadecanoin

No. of C: 17:0 Documentation: TLC Purity: 99%

50 mg 32-1703-8

Distearin (Dioctadecanoin)

No. of C: 18:0 Mw: 624.9 Documentation: TLC Purity: 99%

100 mg 32-1800-9

500 mg 32-1800-

1 g 32-1800-13

1,2-Distearin

No. of C: 18:0 Documentation: TLC Purity: 99%

50 mg 32-1802-8

250 mg 32-1802-11

1 g 32-1802-130

1,3-Distearin

No. of C: 18:0 Documentation: TLC Purity: 99%

50 mg 32-1803-8

250 mg 32-1803-11

1 g 32-1803-13

Dinonadecanoin

No. of C: 19:0 Mw: 652.9 Documentation: TLC Purity: 99%

100 mg 32-1900-9

500 mg 32-1900-12

1,2-Dinonadecanoin

No. of C: 19:0 Documentation: TLC Purity: 99%

32-1902-0

1,3-Dinonadecanoin

No. of C: 19:0 Documentation: TLC Purity: 99%

50 mg 32-1903-8

Diarachidin (Dieicosanoin)

No. of C: 20:0 Mw: 681.1 Documentation: TLC Purity: 99%

100 mg 32-2000-9

500 mg 32-2000-12

1,2-Diarachidin

No. of C: 20:0 Documentation: TLC Purity: 99%

32-2002-0

1,3-Diarachidin

No. of C: 20:0 Documentation: TLC Purity: 99%

50 mg 32-2003-8

Dibehenin (Didocosanoin)

No. of C: 22:0 Mw: 737.1 Documentation: TLC Purity: 99%

100 mg 32-2200-9

500 mg 32-2200-12

1,3-Dibehenin

No. of C: 22:0 Documentation: TLC Purity: 99%

50 mg 32-2203-8

Dilignocerin (Ditetracosanoin)

No. of C: 24:0 Mw: 793.1 Documentation: TLC Purity: 99%

32-2400-0

Diglycerides (racemic) Unsaturated - Single Fatty Acid Composition

Dimyristolein (9c)

No. of C: 14:1 Mw: 508.9 Documentation: TLC Purity: 99%

25 mg 32-1410-7

3 x 25 mg 32-1410-29

1,3-Dimyristolein

No. of C: 14:1 Documentation: TLC Purity: 99%

25 mg 32-1413-7

3 x 25 mg 32-1413-29

Dipalmitolein (9c)

No. of C: 16:1 Mw: 564.9 Documentation: TLC Purity: 99%

25 mg 32-1610-7

3 x 25 mg 32-1610-29

1,3-Dipalmitolein

No. of C: 16:1 Documentation: TLC Purity: 99%

25 mg 32-1613-7

3 x 25 mg 32-1613-29 130

Dipalmitelaidin (9tr)

No. of C: 16:1 Mw: 564.9 Documentation: TLC Purity: 99%

25 mg 32-1650-7

1,3-Dipalmitelaidin

No. of C: 16:1 Documentation: TLC Purity: 99%

25 mg 32-1653-7

Diolein (9c)

No. of C: 18:1 Mw: 620.9 Documentation: TLC Purity: 99%

100 mg 32-1810-9

500 mg 32-1810-12

1 g 32-1810-13

1,2-Diolein

No. of C: 18:1 Documentation: TLC Purity: 99%

32-1812-0

1,3-Diolein

No. of C: 18:1 Documentation: TLC Purity: 99%

25 mg 32-1813-7

250 mg 32-1813-11

500 mg 32-1813-12

Dielaiddin (9tr)

No. of C: 18:1 (Fat Mw: 620.9 Documentation: TLC Purity: 99%

25 mg 32-1850-7

3 x 25 mg 32-1850-29

1,3-Dielaiddin

No. of C: 18:1 Documentation: TLC Purity: 99%

25 mg 32-1853-7

3 x 25 mg 32-1853-29

Dilinolein (9c, 12c)

No. of C: 18:2 Mw: 616.9 Documentation: TLC Purity: 99%

25 mg 32-1820-7

100 mg 32-1820-9

500 mg 32-1820-12

1,3-Dilinolein

No. of C: 18:2 Documentation: TLC Purity: 99%

25 mg 32-1823-7

100 mg 32-1823-9

250 mg 32-1823-11

Dilinoelaidin (9tr, 12tr)

No. of C: 18:2 Mw: 616.9 Documentation: TLC Purity: 99%

25 mg 32-1860-7

3 x 25 mg 32-1860-29

1,3-Dilinoelaidin

No. of C: 18:2 Documentation: TLC Purity: 99%

25 mg 32-1863-7

3 x 25 mg 32-1863-29

Dilinolenin (9c, 12c, 15c)

No. of C: 18:3 Mw: 612.9 Documentation: TLC Purity: 99%

25 mg 32-1830-7

100 mg 32-1830-9

250 mg 32-1830-11

1,3-Dilinolenin

No. of C: 18:3 Documentation: TLC Purity: 99%

25 mg 32-1833-7

3 x 25 mg 32-1833-29

Digamma linolenin (6c, 9c, 12c)

No. of C: 18:3 Mw: 612.9 Documentation: TLC Purity: 99%

25 mg 32-1835-7 60

3 x 25 mg 32-1835-29

1,3-Digamma linolenin

No. of C: 18:3 Documentation: TLC Purity: 99%

25 mg 32-1837-7

3 x 25 mg 32-1837-29

Diarachidonin (5c, 8c, 11c, 14c)

No. of C: 20:4 Mw: 665.0 Documentation: TLC Purity: 99%

25 mg 32-2040-7

3 x 25 mg 32-2040-29

1,3-Diarachidonin

No. of C: 20:4 Documentation: TLC Purity: 99%

25 mg 32-2043-7

3 x 25 mg 32-2043-29 200

Didocosaehaenoin (4,7,10,13,16,19-all cis)

No. of C: 22:6 Mw: 713.1 Documentation: TLC Purity: 99%

25 mg 32-2260-7

1,2-Diglycerides (racemic)- Mixed Fatty Acid Composition

1-Decanoin-2-Acetin (DAG)

No. of C: 1-10:0-2-“:0 Mw: 288.6 Documentation: TLC Purity: 98%

25 mg 32-1020-7

100 mg 32-1020-9

1-Laurin-2-Palmitin

No. of C: 1-12:0-2-16:0 Mw: 512.8 Documentation: TLC Purity: 98%

25 mg 32-1216-7

100 mg 32-1216-9

1-Laurin-2-Stearin

No. of C: 1-12:0-2-18:0 Mw: 540.8 Documentation: TLC Purity: 98%

32-1218-0

1-Myristin-2-Laurin

No. of C: 1-14:0-2-12:0 Mw: 484.8 Documentation: TLC Purity: 98%

32-1412-0

1-Palmitin-2-Laurin

No. of C: 1-16:0-2-12:0 Mw: 512.8 Documentation: TLC Purity: 98%

32-1612-0

1-Palmitin-2-Stearin

*No. of C: 1-16:0-2-18:0 Mw: 596.9 Documentation: TLC Purity: 98%
32-1618-0*

1-Stearin-2-Laurin

*No. of C: 1-18:0-2-12:0 Mw: 540.8 Documentation: TLC Purity: 98%
25 mg 32-1890-7*

1-Stearin-2-Palmitin

*No. of C: 1-18:0-2-16:0 Mw: 596.9 Documentation: TLC Purity: 98%
25 mg 32-1816-7
100 mg 32-1816-9*

1-Stearin-2-Arachidonin

*No. of C: 1-18:0-2-20:4 Mw: 645.0 Documentation: TLC Purity: 98%
Arachidonic acid+% 10 mg 32-1841-5
25 mg 32-1841-7*

1,3-Diglycerides (racemic) - Mixed Fatty Acid Composition

1-Myristin-3-Olein

*No. of C: 1-14:0-3-18:1 Mw: 566.9 Documentation: TLC Purity: 98+%
25 mg 32-1450-7
100 mg 32-1450-9*

1-Myristin-3-Elaidin

*No. of C: 1-14:0-3-18:1tr Mw: 566.9 Documentation: TLC Purity: 98+%
25 mg 32-1455-7*

1-Myristin-3-Behenin

*No. of C: 1-14:0-3-22:0 Mw: 625 Documentation: TLC Purity: 98+%
25 mg 32-1422-7
100 mg 32-1422-9*

1-Palmitin-3-Laurin

*No. of C: 1-16:0-3-12:0 Mw: 512.8 Documentation: TLC Purity: 98+%
25 mg 32-1657-7
100 mg 32-1657-9
250 mg 32-1657-11*

1-Palmitin-3-Myristin

*No. of C: 1-16:0-3-14:0 Mw: 540,8 Documentation: TLC Purity:98+%
25 mg 32-1452-7
100 mg 32-1452-9
250 mg 32-1452-11*

1-Palmitin-3-Stearin

No. of C: 1-16:0-3-18:0 Mw: 596.9 Documentation: TLC Purity: 98+%

25 mg 32-1654-7

100 mg 32-1654-9

250 mg 32-1654-11

1-Palmitin-3-Olein

No. of C: 1-16:0-3-18:1 Mw: 594.9 Documentation: TLC Purity: 98+%

25 mg 32-1655-7

100 mg 32-1655-9

250 mg 32-1655-11

1-Palmitin-3-Linolein

No. of C: 1-16:0-3-18:2 Mw: 592.9 Documentation: TLC Purity: 98+%

25 mg 32-1656-7

100 mg 32-1656-9

1-Palmitin-3-Arachidin

No. of C: 1-16:0-3-20:0 Mw: 624.9 Documentation: TLC Purity: 98+%

25 mg 32-1620-7

100 mg 32-1620-9

1-Stearin-3-Olein

No. of C: 1-18:0-3-18:1 Mw: 622.9 Documentation: TLC Purity: 98+%

25 mg 32-1854-7

100 mg 32-1854-9

250 mg 32-1854-11

1-Stearin-3-Linolein

No. of C: 1-18:0-3-18:2 Mw: 620.9 Documentation: TLC Purity: 98+%

25 mg 32-1855-7

1-Olein-3-Arachidin

No. of C: 1-18:1-3-20:0 Mw: 650.9 Documentation: TLC Purity: 98+%

25 mg 32-2050-7

100 mg 32-2050-9

Triglycerides (racemic) Saturated -Single Fatty Acid

Tricaproin (Trihexanoin)

No. of C: 6:0 Mw: 386.5 Documentation: TLC Purity: 99%

100 mg 33-0600-9

500 mg 33-0600-12

1 g 33-0600-13

Triheptanoin

No. of C: 7:0 Mw: 428.6 Documentation: TLC Purity: 97+%

100 mg 33-0700-9

500 mg 33-0700-12

1 g 33-0700-13

Tricaprylin (Trioctanoin)

No. of C: 8:0 (Fatt Mw: 470.7 Documentation: TLC Purity: 99%

100 mg 33-0800-9

500 mg 33-0800-12

1 g 33-0800-13

Trinonanoin

No. of C: 9:0 Mw: 512.8 Documentation: TLC Purity: 99%

100 mg 33-0900-9

500 mg 33-0900-12

1 g 33-0900-13

Tricaprin (Tridecanoin)

No. of C: 10:0 Mw: 554.8 Documentation: TLC Purity: 99%

100 mg 33-1000-9

500 mg 33-1000-12

1 g 33-1000-13

Triundecanoin

No. of C: 11:0 Mw: 596.9 Documentation: TLC Purity: 99%

100 mg 33-1100-9

500 mg 33-1100-12

1 g 33-1100-13

Trilaurin (Tridodecanoin)

No. of C: 12:0 Mw: 639.0 Documentation: TLC Purity: 99%

100 mg 33-1200-9

500 mg 33-1200-12

1 g 33-1200-13

Tritridecanoin

No. of C: 13:0 Mw: 681.1 Documentation: TLC Purity: 99%

100 mg 33-1300-9

500 mg 33-1300-12

1 g 33-1300-13

Trimyristin (Tritetradecanoin)

No. of C: 14:0 Mw: 723.2 Documentation: TLC Purity: 99%

100 mg 33-1400-9

500 mg 33-1400-12

1 g 33-1400-13

Tripentadecanoin

No. of C: 15:0 Mw: 765.3 Documentation: TLC Purity: 99%

100 mg 33-1500-9

500 mg 33-1500-12

1 g 33-1500-13

Tripalmitin (Trihexadecanoin)

No. of C: 16:0 Mw: 807.4 Documentation: TLC Purity: 99%

100 mg 33-1600-9

500 mg 33-1600-12

1 g 33-1600-13

Triheptadecanoin

No. of C: 17:0 Mw: 849.5 Documentation: TLC Purity: 99%

100 mg 33-1700-9

500 mg 33-1700-12

1 g 33-1700-13

Tristearin (Trioctadecanoin)

No. of C: 18:0 Mw: 891.5 Documentation: TLC Purity: 99%

100 mg 33-1800-9

500 mg 33-1800-12

1 g 33-1800-13

Trinonadecanoin

No. of C: 19:0 Mw: 933.6 Documentation: TLC Purity: 99%

100 mg 33-1900-9

500 mg 33-1900-12

1 g 33-1900-13

Triarachidin (Trieicosanoin)

No. of C: 20:0 Mw: 975.7 Documentation: TLC Purity: 99%

100 mg 33-2000-9

500 mg 33-2000-12

1 g 33-2000-13

Triheneicosanoin

No. of C: 21:0 Mw: 1017.7 Documentation: TLC Purity: 99%

100 mg 33-2100-9

500 mg 33-2100-12

1 g 33-2100-13

Tribehenin (Tridocosanoin)

No. of C: 22:0 Mw: 1059.8 Documentation: TLC Purity: 99%

100 mg 33-2200-9

500 mg 33-2200-12

1 g 33-2200-13

Tritricosanoin

No. of C: 23:0 Mw: 1101.9 Documentation: TLC Purity: 99%

100 mg 33-2300-9

500 mg 33-2300-12

1 g 33-2300-13

Trilignocerin (Tritetracosanoin)

No. of C: 24:0 Mw: 1143.9 Documentation: TLC Purity: 99%

100 mg 33-2400-9

500 mg 33-2400-12

1 g 33-2400-13

Triglycerides (racemic) Unsaturated - Single Fatty Acid

Tripalmitolein (9c)

No. of C: 16:1 Mw: 801.3 Documentation: TLC Purity: 99%

100 mg 33-1610-9

500 mg 33-1610-12

1 g 33-1610-13

Triolein (9c)

No. of C: 18:1 Mw: 885.5 Documentation: TLC Purity: 99%

100 mg 33-1810-9

500 mg 33-1810-12

1 g 33-1810-13

Trielaidin (9tr)

No. of C: 18:1 Mw: 885.5 Documentation: TLC Purity: 99%

100 mg 33-1850-9

500 mg 33-1850-12

1 g 33-1850-13

Trilinolein (9c, 12c)

No. of C: 18:2 Mw: 879.5 Documentation: TLC Purity: 99%

100 mg 33-1820-9

500 mg 33-1820-12

1 g 33-1820-13 60

Trilinoelaidin (9tr, 12tr)

No. of C: 18:2 Mw: 879.5 Documentation: TLC Purity: 99%

100 mg 33-1860-9

500 mg 33-1860-12

1 g 33-1860-13

Trilinolenin (9c, 12c, 15c)

No. of C: 18:3 Mw: 873.5 Documentation: TLC Purity: 99%

100 mg 33-1830-9

500 mg 33-1830-12

1 g 33-1830-13

Trigammalinolenin (6c, 9c, 12c)

No. of C: 18:3 Mw: 873.5 Documentation: TLC Purity: 99%

100 mg 33-1835-9

3 x 100 mg 33-1835-43

Trieicosenoin (11c)

No. of C: 20:1 Mw: 969.7 Documentation: TLC Purity: 99%

100 mg 33-2010-9

500 mg 33-2010-12

Triarachidonin (5c, 8c, 11c, 14c)

No. of C: 20:4 Mw: 951.7 Documentation: TLC Purity: 99%

25 mg 33-2040-7

3 x 25 mg 33-2040-29

Trieicosapentaenoin (5,8,11,14,17-all cis)

No. of C: 20:5 Mw: 945.7 Documentation: TLC Purity: 99%

25 mg 33-2050-7

100 mg 33-2050-9

Trierucin (13c)

No. of C: 22:1 Mw: 1053.8 Documentation: TLC Purity: 99%

100 mg 33-2210-9

500 mg 33-2210-12

1 g 33-2210-13

Tridocosahexaenoin (4,7,10,13,16,19-all cis)

No. of C: 22:6 Mw: 1023.8 Documentation: TLC Purity: 99%

25 mg 33-2260-7

Trinervonin (15c)

No. of C: 24:1 Mw: 1138.0 Documentation: TLC Purity: 99%

100 mg 33-2410-9

500 mg 33-2410-12

Triglycerides (racemic) Mixed Fatty Acid Composition

1,2-Caprylin-3-Linolein

No. of C: 8:0-8:0-C18:2 Mw: 606.9 Documentation: TLC Purity: 99%

25 mg 34-0800-7

100 mg 34-0800-9

1,3-Caprylin-2-Olein

No. of C: 8:0-8:0-C18:1 Mw: 610.9 Documentation: TLC Purity: 99%

25 mg 34-0818-7

100 mg 34-0818-9

1,2-Caprin-3-Stearin

No. of C: 10:0-10:0-18:0 Mw: 667.1 Documentation: TLC Purity: 99%

25 mg 34-1000-7

100 mg 34-1000-9

1,2-Laurin-3-Myristin

No. of C: 12:0-12:0-14:0 Mw: 667.1 Documentation: TLC Purity: 99%

25 mg 34-1200-7

100 mg 34-1200-9

250 mg 34-1200-11

1,2-Myristin-3-Laurin

No. of C: 14:0-14:0-12:0 Mw: 695.1 Documentation: TLC Purity: 99%

25 mg 34-1401-7

100 mg 34-1401-9

250 mg 34-1401-11

1,2-Myristin-3-Palmitin

No. of C: 14:0-14:0-16:0 Mw: 751.2 Documentation: TLC Purity: 99%

25 mg 34-1400-7

100 mg 34-1400-9

250 mg 34-1400-11

1,2-Palmitin-3-Stearin

No. of C: 16:0-16:0-18:0 Mw: 835.4 Documentation: TLC Purity: 99%

25 mg 34-1600-7

100 mg 34-1600-9

250 mg 34-1600-11

1,2-Palmitin-3-Olein

No. of C: 16:0-16:0-18:1 Mw: 833.4 Documentation: TLC Purity: 99%

25 mg 34-1601-7

100 mg 34-1601-9

250 mg 34-1601-11

1,2-Palmitin-3-Elaidin

No. of C: 16:0-16:0-18:1tr Mw: 833.4 Documentation: TLC Purity: 99%

25 mg 34-1602-7

100 mg 34-1602-9

250 mg 34-1602-11 370

1,2-Palmitin-3-Linolein

No. of C: 16:0-16:0-18:2 Mw: 831.4 Documentation: TLC Purity: 99%

25 mg 34-1603-7

100 mg 34-1603-9

1,2-Palmitin-3-Linoelaidin

No. of C: 16:0-16:0-18:2tr Mw: 831.4 Documentation: TLC Purity: 99%

25 mg 34-1604-7

1,3-Palmitin-2-Stearin

No. of C: 16:0-18:0-16:0 Mw: 835.4 Documentation: TLC Purity: 99%

25 mg 34-1610-7

100 mg 34-1610-9

250 mg 34-1610-11

1,3-Palmitin-2-Olein

No. of C: 16:0-16:0-18-1 Mw: 833.4 Documentation: TLC Purity: 99%

25 mg 34-1611-7

100 mg 34-1611-9

250 mg 34-1611-11

1,3-Palmitin-2-Myristin

No. of C: 16:0-12:0-16:0 Mw: 779.3 Documentation: TLC Purity: 99%

25 mg 34-1612-7

100 mg 34-1612-9

250 mg 34-1612-11

1,3-Palmitin-2-Elaidin

No. of C: 16:0-18:1tr-16:0 Mw: 833.4 Documentation: TLC Purity: 99%

25 mg 34-1614-7

1,2-Palmitin-3-Pentadecanoin

No. of C: 16:0-16:0-15:0 Mw: 810,3 Documentation: TLC Purity: 99%

25 mg 34-1615-7

100 mg 34-1615-9

250 mg 34-1615-11

1,2-Heptadecanoin-3-Olein

No. of C: 17:0-17:0-18:1 Mw: 863.3 Documentation: TLC Purity:99%

25 mg 34-1718-7

100 mg 34-1718-9

1,3-Heptadecanoin-2-Olein

No. of C: 17:0-18:1-17:0 Mw: 863.3 Documentation: TLC Purity:99%

25 mg 34-1728-7

1,2-Stearin-3-Butyrin

No. of C: 18:0-18:0-4:0 Mw: 695.1 Documentation: TLC Purity: 99%

25 mg 34-1805-7

1,2-Stearin-3-Caprilin

No. of C: 18:0-18:0-10:0 Mw: 779,2 Documentation: TLC Purity: 99%

25 mg 34-1802-7

1,2-Stearin-3-Palmitin

No. of C: 18:0-18:0-16:0 Mw: 863.4 Documentation: TLC Purity: 99%

25 mg 34-1800-7

100 mg 34-1800-9

250 mg 34-1800-11

1,2-Stearin-3-Olein

No. of C: 18:0-18:0-18:1 Mw: 889.5 Documentation: TLC Purity: 99%

25 mg 34-1801-7

100 mg 34-1801-9

250 mg 34-1801-11

1,2-Stearin-3-Elaidin

No. of C: 18:0-18:0-18:1tr Mw: 889.5 Documentation: TLC Purity: 99%

25 mg 34-1803-7

100 mg 34-1803-9

250 mg 34-1803-11

1,3-Stearin-2-Laurin

No. of C: 18:0-12:0-18:0 Mw: 811,3 Documentation: TLC Purity: 99%

25 mg 34-1815-7

100 mg 34-1815-9

250 mg 34-1815-11

1,3-Stearin-2-Myristin

No. of C: 18:0-14:0-18:0 Mw: 837.4 Documentation: TLC Purity: 99%

25 mg 34-1816-7

100 mg 34-1816-9

250 mg 34-1816-11

1,3-Stearin-2-Palmitin

No. of C: 18:0-16:0-18:0 Mw: 863.4 Documentation: TLC Purity: 99%

25 mg 34-1810-7

100 mg 34-1810-9

1,3-Stearin-2-Olein

No. of C: 18:0-18:1-18:0 Mw: 889.5 Documentation: TLC Purity: 99%

25 mg 34-1811-7

100 mg 34-1811-9

250 mg 34-1811-11

1,3-Stearin-2-Elaidin

No. of C: 18:0-18:1tr-18:0 Mw: 889.5 Documentation: TLC Purity: 99%

25 mg 34-1804-7

100 mg 34-1804-9

250 mg 34-1804-11

1,3-Stearin-2-Linolein

No. of C: 18:0-18:2-18:0 Mw: 887.5 Documentation: TLC Purity: 99%

25 mg 34-1812-7

100 mg 34-1812-9

250 mg 34-1812-11

1,2-Olein-3-Decanoïn

No. of C: 18:1-18:1-10:0 Mw: 775.7 Documentation: TLC Purity: 99%

25 mg 34-1850-7

100 mg 34-1850-9

1,2-Olein-3-Laurin

No. of C: 18:1-18:1-12:0 Mw: 803.4 Documentation: TLC Purity: 99%

25 mg 34-1218-7

100 mg 34-1218-9

1,2-Olein-3-Myristin

No. of C: 18:1-18:1-14:0 Mw: 831.4 Documentation: TLC Purity: 99%

25 mg 34-1820-7

100 mg 34-1820-9

250 mg 34-1820-11

1,2-Olein-3-Palmitin

No. of C: 18:1-18:1-16:0 Mw: 859.4 Documentation: TLC Purity: 99%

25 mg 34-1821-7

100 mg 34-1821-9

250 mg 34-1821-11

1,2-Olein-3-Stearin

No. of C: 18:1-18:1-18:0 Mw: 887.5 Documentation: TLC Purity: 99%

25 mg 34-1822-7

100 mg 34-1822-9

250 mg 34-1822-11

1,2-Olein-3-Behenin

No. of C: 18:1-18:1-22:0 Mw: 943.6 Documentation: TLC Purity: 99%

25 mg 34-1825-7

100 mg 34-1825-9

250 mg 34-1825-11

1,3-Olein-2-Caprylin

No. of C: 18:1-8:0-18:1 Mw: 747.2 Documentation: TLC Purity: 99%

25 mg 34-1818-7

1,3-Olein-2-Caprin

No. of C: 18:1-10:0-18:1 Mw: 775.2 Documentation: TLC Purity: 99%

25 mg 34-1018-7

100 mg 34-1018-9

1,3-Olein-2-Myristin

No. of C: 18:1-14:0-18:1 Mw: 831,4 Documentation: TLC Purity: 98%

25 mg 34-1830-7

100 mg 34-1830-9

1,3-Olein-2-Palmitin

No. of C: 18:1-16:0-18:1 Mw: 859.4 Documentation: TLC Purity: 99%

25 mg 34-1831-7

100 mg 34-1831-9

250 mg 34-1831-11

1,3-Olein-2-Stearin

No. of C: 18:1-18:0-18:1 Mw: 887.5 Documentation: TLC Purity: 99%

25 mg 34-1832-7

100 mg 34-1832-9

250 mg 34-1832-11

1,3-Olein-2-Elaidin

No. of C: 18:1-18:1tr-18:1 Mw: 885.5 Documentation: TLC Purity: 99%

25 mg 34-1833-7

100 mg 34-1833-9

1,3-Olein-2-Lignocerin

No. of C: 18:1-24:0-18:1 Mw: 971.6 Documentation: TLC Purity: 99%

25 mg 34-1823-7

1,2-Elaidin-3-Stearin

No. of C: 18:1tr-18:1tr-18:0 Mw: 887.5 Documentation: TLC Purity: 99%

25 mg 34-1840-7

100 mg 34-1840-9

1,2-Elaidin-3-Linolein

No. of C: 18:1tr-18:1tr-18:2 Mw: 883.5 Documentation: TLC Purity: 98%

25 mg 34-1843-7

1,3-Elaidin-2-Olein

No. of C: 18:1tr-18:1-18:1tr Mw: 885.5 Documentation: TLC Purity: 99%

25 mg 34-1852-7

100 mg 34-1852-9

1,2-Linolein-3-Palmitin

No. of C: 18:2-18:2-16:0 Mw: 855.4 Documentation: TLC Purity: 99%

25 mg 34-1862-7

100 mg 34-1862-9

250 mg 34-1862-11

1,2-Linolein-3-Stearin

No. of C: 18:2-18:2-18:0 Mw: 883.5 Documentation: TLC Purity: 99%

25 mg 34-1863-7

100 mg 34-1863-9

250 mg 34-1863-11

1,2-Linolein-3-Olein

No. of C: 18:2-18:2-18:1 Mw: 881.5 Documentation: TLC Purity: 99%

25 mg 34-1866-7

100 mg 34-1866-9

250 mg 34-1866-11

1,2-Behenin-3-Myristin

No. of C: 22:0-22:0-14:0 Mw: 947.6 Documentation: TLC Purity: 99%

25 mg 34-2214-7

100 mg 34-2214-9

250 mg 34-2214-11

1,3-Behenin-2-Olein

No. of C: 22:0-18:1-22:0 Mw: 1001.7 Documentation: TLC Purity: 99%

25 mg 34-2200-7

100 mg 34-2200-9

250 mg 34-2200-11

1-Laurin-2-Elaidin-3-Palmitin

No. of C: 12:0-18:1tr-16:0 Mw: 777.3 Documentation: TLC Purity: 99%

25 mg 34-3006-7

100 mg 34-3006-9

250 mg 34-3006-11

1-Laurin-2-Olein-3-Palmitin

No. of C: 12:0-18:1-16:0 Mw: 777.3 Documentation: TLC Purity: 99%

25 mg 34-3004-7

100 mg 34-3004-9

250 mg 34-3004-11

1-Myristin-2-Palmitin-3-Butyryn

No. of C: 14:0-16:0-4:0 Mw: 610,9 Documentation: TLC Purity: 99%

25 mg 34-3019-7

100 mg 34-3019-9

1-Myristin-2-Olein-3-Butyryn

No. of C: 14:0-18:1-4:0 Mw: 636,9 Documentation: TLC Purity: 99%

25 mg 34-3015-7

1-Myristin-2-Olein-3-Palmitin

No. of C: 14:0-18:1-16:0 Mw: 805.3 Documentation: TLC Purity: 99%

25 mg 34-3005-7

100 mg 34-3005-9

250 mg 34-3005-11

1-Palmitin-2-Stearin-3-Butyryn

No. of C: 16:0-18:0-4:0 Mw: 667 Documentation: TLC Purity: 99%

25 mg 34-3020-7

100 mg 34-3020-9

250 mg 34-3020-11

1-Palmitin-2-Stearin-3-Olein

No. of C: 16:0-18:0-18:1 Mw: 861.4 Documentation: TLC Purity: 99%

25 mg 34-3002-7

100 mg 34-3002-9

250 mg 34-3002-11

1-Palmitin-2-Olein-3-Stearin

No. of C: 16:0-18:1-18:0 Mw: 861.4 Documentation: TLC Purity: 99%

25 mg 34-3001-7

100 mg 34-3001-9

250 mg 34-3001-11

1-Palmitin-2-Olein-3-Linolein

No. of C: 16:0-18:1-18:2 Mw: 857.4 Documentation: TLC Purity: 99%

25 mg 34-3012-7

100 mg 34-3012-9

1-Palmitin-2-Elaidin-3-Linolein

No. of C: 16:0-18:1tr-18:2 Mw: 857.4 Documentation: TLC Purity: 99%

25 mg 34-3013-7

100 mg 34-3013-9

250 mg 34-3013-11

1-Arachidin-2-Olein-3-Palmitin

No. of C: 20:0-18:1-16:0 Mw: 889.5 Documentation: TLC Purity: 99%

25 mg 34-3016-7

Deuterium Labelled Lipids

Perdeuterated Fatty Acids (D,95% D,98%)

Butyric-D7 Acid

Mw: 95.2 Documentation: GC Purity: 98% Deuterium:98%

1 g 71-0407-13

Pentanoic-D9 Acid

Mw: 111.2 Documentation: GC Purity: 98% Deuterium:98%

500 mg 71-0509-12

1 g 71-0509-13

Hexanoic-D11 Acid

Mw: 127.3 Documentation: GC Purity: 98% Deuterium:98%

100 mg 71-0611-9

500 mg 71-0611-12

1 g 71-0611-13

Octanoic-D15 Acid

Mw: 159.3 Documentation: GC Purity: 98% Deuterium:98%

500 mg 71-0815-12

1 g 71-0815-13

Decanoic-D19 Acid

Mw: 191.4 Documentation: GC Purity: 98% Deuterium:98%

100 mg 71-1019-9

500 mg 71-1019-12

1 g 71-1019-130

Decanoic-D19 Acid

Documentation: GC Purity: 98% Deuterium:95%

100 mg 87-1019-9

500 mg 87-1019-12

1 g 87-1019-13

Dodecanoic-D23 Acid

Mw: 223.5 Documentation: GC Purity: 98% Deuterium:98%

100 mg 71-1223-9

500 mg 71-1223-12

1 g 71-1223-130

Dodecanoic-D23 Acid

Documentation: GC Purity: 98% Deuterium:95%

100 mg 87-1223-9

500 mg 87-1223-12

1 g 87-1223-13

Tetradecanoic-D27 Acid

Mw: 255.5 Documentation: GC Purity: 98% Deuterium:98%

100 mg 71-1427-9

500 mg 71-1427-12

1 g 71-1427-13

Pentadecanoic-D29 Acid

Mw: 271.6 Documentation: GC Purity: 98% Deuterium:95%

100 mg 87-1529-9

500 mg 87-1529-12

1 g 87-1529-13

Hexadecanoic-D31 Acid

Mw: 287.6 Documentation: GC Purity: 98% Deuterium:98%

100 mg 71-1631-9

500 mg 71-1631-12

1 g 71-1631-13

Hexadecanoic-D31 Acid

Documentation: GC Purity: 98% Deuterium:95%

100 mg 87-1631-9

500 mg 87-1631-12

Octadecanoic-D35 Acid

Mw: 319.7 Documentation: GC Purity: 98% Deuterium:98%

100 mg 71-1835-9

500 mg 71-1835-12

1 g 71-1835-13

Octadecanoic-D35 Acid

Documentation: GC Purity: 98% Deuterium:95%

100 mg 87-1835-9

500 mg 87-1835-12

1 g 87-1835-13

Eicosanoic-D39 Acid

Mw: 351.8 Documentation: GC Purity: 98% Deuterium:98%

100 mg 71-2039-9

500 mg 71-2039-12

1 g 71-2039-13

Eicosanoic-D39 Acid

Documentation: GC Purity: 98% Deuterium:95%

100 mg 87-2039-9

Docosanoic-D43 Acid

Mw: 383.9 Documentation: GC Purity: 98% Deuterium:95%

100 mg 87-2243-9

500 mg 87-2243-12 3

1 g 87-2243-13

Alpha-Deuterated Fatty Acids

Octanoic -2,2-D2 Acid

Mw: 146,2 Documentation: GC Purity: 99% Deuterium:98%

100 mg 71-0802-9

500 mg 71-0802-12

1 g 71-0802-13 3

Decanoic-2,2-D2 Acid

Mw: 174,3 Documentation: GC Purity: 99% Deuterium:98%

100 mg 71-1002-9

500 mg 71-1002-12

1 g 71-1002-13

Dodecanoic-2,2-D2 Acid

Mw: 202,3 Documentation: GC Purity: 99% Deuterium:98%

100 mg 71-1202-9

500 mg 71-1202-12

1 g 71-1202-13

Tetradecanoic-2,2-D2 Acid

Mw: 230,4 Documentation: GC Purity: 99% Deuterium:98%

100 mg 71-1402-9

500 mg 71-1402-12

1 g 71-1402-13

Hexadecanoic-2,2-D2 Acid

Mw: 258,4 Documentation: GC Purity: 99% Deuterium:98%

100 mg 71-1602-9

500 mg 71-1602-12

1 g 71-1602-13

Octadecanoic-2,2-D2 Acid

Mw: 286,5 Documentation: GC Purity: 99% Deuterium:98%

100 mg 71-1802-9

500 mg 71-1802-12

1 g 71-1802-13

Eicosanoic-2,2-D2 Acid

Mw: 314,6 Documentation: GC Purity: 99% Deuterium:98%

100 mg 71-2002-9

500 mg 71-2002-12

1 g 71-2002-13

Docosanoic-2,2-D2 Acid

Mw: 342,6 Documentation: GC Purity: 99% Deuterium:98%

100 mg 71-2202-9

500 mg 71-2202-12

1 g 71-2202-13

Omega-Deuterated Fatty Acids

Hexanoic-6,6,6-D3 Acid

Mw: 119,2 Documentation: GC Purity: 99% Deuterium:98+%

50 mg 71-0603-8

100 mg 71-0603-9

250 mg 71-0603-11

Octanoic-8,8,8-D3 Acid

Mw: 147,3 Documentation: GC Purity: 99% Deuterium:98+%

50 mg 71-0803-8

100 mg 71-0803-9

250 mg 71-0803-11

Decanoic-10,10,10-D3 Acid

Mw: 175,3 Documentation: GC Purity: 99% Deuterium:98+%

50 mg 71-1003-8

100 mg 71-1003-9

250 mg 71-1003-11

Dodecanoic-12,12,12-D3 Acid

Mw: 203,3 Documentation: GC Purity: 99% Deuterium:98+%

50 mg 71-1203-8

100 mg 71-1203-9

250 mg 71-1203-11

Tetradecanoic-14,14,14-D3 Acid

Mw: 231,4 Documentation: GC Purity: 99% Deuterium:98+%

50 mg 71-1403-8

100 mg 71-1403-9

250 mg 71-1403-11

Pentadecanoic-15,15,15-D3 Acid

Mw: 245,4 Documentation: GC Purity: 99% Deuterium:98+%

50 mg 71-1503-8

100 mg 71-1503-9

250 mg 71-1503-11

Hexadecanoic-16,16,16-D3 Acid

Mw: 259,5 Documentation: GC Purity: 99% Deuterium:98+%

50 mg 71-1603-8

100 mg 71-1603-9

250 mg 71-1603-11

Heptadecanoic-17,17,17-D3 Acid

Mw: 273,5 Documentation: GC Purity: 95% Deuterium:98+%

50 mg 71-1703-8

100 mg 71-1703-9 330

Octadecanoic-18,18,18-D3 Acid

Mw: 287,5 Documentation: GC Purity: 99% Deuterium:98+%

50 mg 71-1803-8

100 mg 71-1803-9

250 mg 71-1803-11

Eicosanoic Acid-20,20,20-D3 Acid

Mw: 315,6 Documentation: GC Purity: 99% Deuterium:98+%

25 mg 71-2003-7

100 mg 71-2003-9

Deuterated Polyunsaturated Fatty Acids

Hexadecatrienoic 7(Z),10(Z),13(Z)-7,8,10,11,13,14-D6 Acid

Documentation:GC/MS Purity: 98+% Deuterium:98%

2 mg 71-1606-2

Linoleic-9,10,12,13-D4 Acid

Documentation: Data sheet Purity: min 98% Deuterium:99%

1 mg 71-1852-1

5 mg 71-1852-4

Linolenic -17,17,18,18,18-D5 Acid

Documentation: GC/MS Purity: 98+% Deuterium:98%

5 mg 71-1853-4

Arachidonic-5,6,8,9,11,12,14,15-D8 Acid

Documentation: Data sheet Purity: 98+% Deuterium:99%

1 mg 71-9501-1

5 mg 71-9501-4

Omega-3-Arachidonic-8,9,11,12,14,15,17,18-D8 Acid

Documentation: Data sheet Purity: 97+% Deuterium:99%

0,5 mg 71-9502-35

1 mg 71-9502-1

Eicosapentaenoic-19,19,20,20,20-D5 Acid

Documentation: Data sheet Purity: min 98 % Deuterium:99%

1 mg 71-9603-1

Docosahexaenoic-21,21,22,22,22-D5 Acid

Documentation: Data sheet Purity: min 98 % Deuterium:99%

1 mg 71-9701-1

Deuterated Phospholipids

1,2-Dimyristoyl-D54-3-sn-Glycerophosphatidylcholine

Documentation: Not included *Purity:* 98+% *Deuterium:*98%

25 mg 71-2714-7

100 mg 71-2714-9

1,2-Dipalmitoyl-D62-3-sn-Glycerophosphatidylcholine

Documentation: Not included *Purity:* 98+% *Deuterium:*98%

25 mg 71-3716-7

100 mg 71-3716-9

1,2-Distearoyl-D70-3-sn-Glycerophosphatidylcholine

Documentation: Not included *Purity:* 98+% *Deuterium:*98%

25 mg 71-3718-7

100 mg 71-3718-9

Miscellaneous Deuterated Lipids

Hexadecanoic-7,7,8,8-D4 Acid

Documentation: Not included *Purity:* 98+% *Deuterium:*98%

100 mg 71-1604-9

500 mg 71-1604-12

Hexadecanoic-9,10-D2 Acid

Documentation: Not included *Purity:* 98+% *Deuterium:*98%

50 mg 71-1612-8

100 mg 71-1612-9

Octadecanoic-9,10-D2 Acid

Documentation: Not included *Purity:* 98+% *Deuterium:*98%

10 mg 71-1812-5

Oleic-9,10-D2 Acid

Documentation: Not included *Purity:* 98+% *Deuterium:*97%

100 mg 71-1822-9

1,3-Dipalmitin-D62

Documentation: TLC *Purity:* 99% *Deuterium:*98%

73-1613-0

Tripalmitin-D93

Documentation: TLC *Purity:* 99% *Deuterium:*98%

73-1631-0

Tristearin-D105

Documentation: TLC *Purity:* 99% *Deuterium:*98%

73-1835-0

D-Labelled Long Chain Fatty Acids & Bile Acids for Metabolic Research

Docosanoic Acid (3,3,5,5-D4)

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

25 mg 71-2204-7

50 mg 71-2204-8

100 mg 71-2204-9

Tetracosanoic Acid (3,3,5,5-D4)

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

25 mg 71-2404-7

50 mg 71-2404-8

100 mg 71-2404-9

Hexacosanoic Acid (3,3,5,5-D4)

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

25 mg 71-2604-7

50 mg 71-2604-8

100 mg 71-2604-9

3,7-Dihydroxycoprostanic Acid (27,27,27-D3)

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

71-6502-0

25 mg 71-6502-7

3,7,12-Trihydroxycoprostanic Acid (27,27,27-D3)

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

71-6503-0

25 mg 71-6503-7

13C-Labelled Lipids

Fatty Acids

Octanoic Acid-1-13C

Documentation: GC Purity: 98+% 13C Purity:99%

100 mg 78-0800-9

500 mg 78-0800-12

1 g 78-0800-13

5 g 78-0800-16

Dodecanoic Acid-1-13C (Lauric)

Documentation: GC Purity: 98+% 13C Purity:99%

100 mg 78-1200-9

500 mg 78-1200-12

1 g 78-1200-13

5 g 78-1200-16

Tetradecanoic Acid-1-13C (Myristic)

Documentation: GC Purity: 98+% 13C Purity:99%

100 mg 78-1400-9

500 mg 78-1400-12

1 g 78-1400-13

Hexadecanoic Acid-1-13C (Palmitic)

Documentation: GC Purity: 98+% 13C Purity:99%

100 mg 78-1600-9

500 mg 78-1600-12

1 g 78-1600-13

5 g 78-1600-16

Hexadecanoic Acid-2-13C (Palmitic)

Documentation: GC Purity: 98+% 13C Purity:99%

100 mg 78-1602-9

500 mg 78-1602-12

Octadecanoic Acid-1-13C (Stearic)

Documentation: GC Purity: 98+% 13C Purity:99%

100 mg 78-1800-9

500 mg 78-1800-12

1 g 78-1800-13

5 g 78-1800-16

9c-Octadecenoic Acid-1-13C (Oleic)

Documentation: GC Purity: 98+% 13C Purity:99%

100 mg 78-1810-9

250 mg 78-1810-11

9c,12c-Octadecadienoic Acid-1-13C (Linoleic)

Documentation: CoA Purity: 97+% 13C Purity:99%

10 mg 78-1802-5

100 mg 78-1802-9

Oleic Acid-UL-13C18

Documentation:GC Purity: 95+% 13C Purity:98+%

78-1851-0

Linoleic Acid-UL-13C18

Documentation:GC Purity: 95+% 13C Purity:98+%

78-1852-0

Linolenic Acid-UL-13C18

Documentation: GC Purity: 95+% 13C Purity: 98+%

78-1853-0

Triglycerides

Trioctanoin-1,1,1-13C3

Mw: 473.7 Documentation: TLC Purity: 98+% 13C Purity: 99%

100 mg 78-0890-9

500 mg 78-0890-12

1 g 78-0890-13

Tripalmitin-1,1,1-13C3

Mw: 810.4 Documentation: TLC Purity: 98+% 13C Purity: 99%

100 mg 78-1690-9

500 mg 78-1690-12

Triolein-1,1,1-13C3

Mw: 888.5 Documentation: TLC Purity: 98+% 13C Purity: 99%

100 mg 78-1891-9

500 mg 78-1891-12

Tristearin-1,1,1-13C3

Mw: 894.5 Documentation: TLC Purity: 98+% 13C Purity: 99%

78-1890-0

D-/13C-labelled Acylglycines / Miscellaneous – Metabolic Research

Acetyl (D3)glycine

Documentation: Data sheet Purity: >95 % Deuterium: >98 %

25 mg G-0203-7

Propionyl (3,3,3-D3)glycine

Documentation: Data sheet Purity: >95 % Deuterium: >98 %

25 mg G-0303-7

Butyryl (4,4,4-D3)glycine

Documentation: Data sheet Purity: >95 % Deuterium: >98 %

25 mg G-0403-7

Valeryl (5,5,5-D3)glycine

Documentation: Data sheet Purity: >95 % Deuterium: >98 %

25 mg G-0503-7

Hexanoyl (6,6,6-D3)glycine

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

25 mg G-0603-7

Dodecanoyl (12,12,12-D3)glycine

Documentation: Data sheet Purity:>95 % Deuterium:>98 %

25 mg G-1203-7

Acetyl N-(D3)aspartic Acid

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

50 mg A-0203-8

100 mg A-0203-9

Guanidino-(13C2)acetic Acid

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

25 mg GC-0202-7

50 mg GC-0202-8

3-Hydroxy-3- methyl (D3)glutaric Acid

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

50 mg G-1503-8

Methyl (D3)malonic Acid

Documentation: Data sheet Purity: >95 % Deuterium:>98 %

25 mg M-0203-7

50 mg M-0203-8

Fatty Alcohols –Saturated (n-alkyl alcohols)

Fatty alcohols, i.e. n-alkyl chained alcohols, are used in the chemical technical industry as softeners and plasticisers.

Fatty alcohols occur in surface lipids in animals and plants - as free alcohols or esterified (wax esters).

Butanol

No. of C: 4:0 Mw: 74,1 Documentation: GC Purity: 99+%

1 g 40-0400-13

10 g 40-0400-17

Pentanol

No. of C: 5:0 Mw: 88,1 Documentation: GC Purity: 99+%

100 mg 40-0500-9

1 g 40-0500-13

Hexanol

No. of C: 6:0 Mw: 102,2 Documentation: GC Purity: 99+%

1 g 40-0600-13

10 g 40-0600-17

Heptanol

No. of C: 7:0 Mw: 116,2 Documentation: GC Purity: 99+%

100 mg 40-0700-9

1 g 40-0700-13

Octanol

No. of C: 8:0 Mw: 130,2 Documentation: GC Purity: 99+%

1 g 40-0800-13

10 g 40-0800-17

Nonanol

No. of C: 9:0 Mw: 144,3 Documentation: GC Purity: 99+%

100 mg 40-0900-9

1 g 40-0900-13 60

Decanol

No. of C: 10:0 Mw: 158,3 Documentation: GC Purity: 99+%

1 g 40-1000-13

10 g 40-1000-17

Undecanol

No. of C: 11:0 Mw: 172,3 Documentation: GC Purity: 99+%

100 mg 40-1100-9

1 g 40-1100-13

Dodecanol

No. of C: 12:0 Mw: 186,3 Documentation: GC Purity: 99+%

1 g 40-1200-13

10 g 40-1200-17

Tridecanol

No. of C: 13:0 Mw: 200,4 Documentation: GC Purity: 99+%

100 mg 40-1300-9

1 g 40-1300-13 60

Tetradecanol

No. of C: 14:0 Mw: 214,4 Documentation: GC Purity: 99+%

1 g 40-1400-13

10 g 40-1400-17

Pentadecanol

No. of C: 15:0 Mw: 228,4 Documentation: GC Purity: 99+%

100 mg 40-1500-9

1 g 40-1500-13

Hexadecanol

No. of C: 16:0 Mw: 242,5 Documentation: GC Purity: 99+%

1 g 40-1600-13

10 g 40-1600-17

Heptadecanol

No. of C: 17:0 Mw: 256,5 Documentation: GC Purity: 99+%

100 mg 40-1700-9

1 g 40-1700-13 60

Octadecanol

No. of C: 18:0 Mw: 270,5 Documentation: GC Purity: 99+%

1 g 40-1800-13

10 g 40-1800-17

Nonadecanol

No. of C: 19:0 Mw: 284,5 Documentation: GC Purity: 99+%

100 mg 40-1900-9

1 g 40-1900-13

Eicosanol

No. of C: 20:0 Mw: 298,6 Documentation: GC Purity: 99+%

100 mg 40-2000-9

1 g 40-2000-13

10 g 40-2000-17

Heneicosanol

No. of C: 21:0 Mw: 312,6 Documentation: GC Purity: 99+%

100 mg 40-2100-9

250 mg 40-2100-11

Docosanol

No. of C: 22:0 Mw: 326,6 Documentation: GC Purity: 99+%

100 mg 40-2200-9

1 g 40-2200-13

Tricosanol

No. of C: 23:0 Mw: 340,6 Documentation: GC Purity: 99+%

100 mg 40-2300-9

250 mg 40-2300-11

Tetracosanol

No. of C: 24:0 Mw: 354,7 Documentation: GC Purity: 99+%

100 mg 40-2400-9

250 mg 40-2400-11

Hexacosanol

No. of C: 26:0 Mw: 382,8 Documentation: GC Purity: 99+%

100 mg 40-2600-9

250 mg 40-2600-11

Cholesterol & Cholesterylesters

Cholesterol

Mw: 386,7 Documentation: TLC Purity: 99+%

100 mg 64-0000-9

1 g 64-0000-13

Cholesteryl Caprate

No. of C: 10:0 Mw: 540,8 Documentation: TLC Purity: 99+%

100 mg 64-1000-9

1 g 64-1000-13

Cholesteryl Laurate

No. of C: 12:0 Mw: 568,9 Documentation: TLC Purity: 99+%

100 mg 64-1200-9

1 g 64-1200-13

Cholesteryl Myristate

No. of C: 14:0 Mw: 597,0 Documentation: TLC Purity: 99+%

100 mg 64-1400-9

1 g 64-1400-13

Cholesteryl Palmitate

No. of C: 16:0 Mw: 625,1 Documentation: TLC Purity: 99+%

100 mg 64-1600-9

1 g 64-1600-13

Cholesteryl Stearate

No. of C: 18:0 Mw: 652,2 Documentation: TLC Purity: 99+%

100 mg 64-1800-9

1 g 64-1800-13

Cholesteryl Oleate

No. of C: 18:1 Mw: 650,1 Documentation: TLC Purity: 99+%

100 mg 64-1801-9

1 g 64-1801-13

Cholesteryl Linoleate

No. of C: 18:2 Mw: 648,1 Documentation: TLC Purity: 99+%

100 mg 64-1802-9

1 g 64-1802-13

Wax Esters

Wax esters are esters between long chained fatty alcohols and fatty acids. Wax esters have significance in pharmaceutical and cosmetics applications and occur naturally in plants and animals.

Wax Esters of Lauric Acid (C 12:0)

Lauryl Laurate

No. of C: C 12:0 Documentation: Not included Purity: 99%

100 mg 45-1212-9

1 g 45-1212-13

Myristyl Laurate

No. of C: C 14:0 Documentation: Not included Purity: 99%

100 mg 45-1214-9

1 g 45-1214-13

Palmityl Laurate

No. of C: C 16:0 Documentation: Not included Purity: 99%

100 mg 45-1216-9

1 g 45-1216-13

Stearyl Laurate

No. of C: C 18:0 Documentation: Not included Purity: 99%

100 mg 45-1218-9

1 g 45-1218-13

Oleyl Laurate

No. of C: C 18:1 Documentation: Not included Purity: 99%

100 mg 45-1238-9

1 g 45-1238-13

Linoleyl Laurate

No. of C: C 18:2 Documentation: Not included Purity: 99%

100 mg 45-1248-9

1 g 45-1248-13

Arachidyl Laurate

No. of C: C 20:0 Documentation: Not included Purity: 99%

100 mg 45-1220-9

1 g 45-1220-13

Behenyl Laurate

No. of C: C 22:0 Documentation: Not included Purity: 99%

100 mg 45-1222-9

1 g 45-1222-13

Wax Esters of Myristic Acid (C 14:0)

Lauryl Myristate

No. of C: C 12:0 Documentation: Not included Purity: 99%

100 mg 45-1412-9

1 g 45-1412-13

Myristyl Myristate

No. of C: C 14:0 Documentation: Not included Purity: 99%

100 mg 45-1414-9

1 g 45-1414-13

Palmityl Myristate

No. of C: C 16:0 Documentation: Not included Purity: 99%

100 mg 45-1416-9

1 g 45-1416-13

Stearyl Myristate

No. of C: C 18:0 Documentation: Not included Purity: 99%

100 mg 45-1418-9

1 g 45-1418-13

Oleyl Myristate

No. of C: C 18:1 Documentation: Not included Purity: 99%

100 mg 45-1438-9

1 g 45-1438-13

Linoleyl Myristate

No. of C: C 18:2 Documentation: Not included Purity: 99%

100 mg 45-1448-9

1 g 45-1448-13

Arachidyl Myristate

No. of C: C 20:0 Documentation: Not included Purity: 99%

100 mg 45-1420-9 38

1 g 45-1420-13

Behenyl Myristate

No. of C: C 22:0 Documentation: Not included Purity: 99%

100 mg 45-1422-9 38

1 g 45-1422-13

Wax Esters of Palmitic Acid (C 16:0)

Lauryl Palmitate

No. of C: C 12:0 Documentation: Not included Purity: 99%

100 mg 45-1612-9

1 g 45-1612-13

Myristyl Palmitate

No. of C: C 14:0 Documentation: Not included Purity: 99%

100 mg 45-1614-9

1 g 45-1614-13

Palmityl Palmitate

No. of C: C 16:0 Documentation: Not included Purity: 99%

100 mg 45-1616-9

1 g 45-1616-13

Stearyl Palmitate

No. of C: C 18:0 Documentation: Not included Purity: 99%

100 mg 45-1618-9

1 g 45-1618-13

Oleyl Palmitate

No. of C: C 18:1 Documentation: Not included Purity: 99%

100 mg 45-1638-9

1 g 45-1638-13

Linoleyl Palmitate

No. of C: C 18:2 Documentation: Not included Purity: 99%

100 mg 45-1648-9

1 g 45-1648-13

Arachidyl Palmitate

No. of C: C 20:0 Documentation: Not included Purity: 99%

100 mg 45-1620-9

1 g 45-1620-13

Behenyl Palmitate

No. of C: C 22:0 Documentation: Not included Purity: 99%

100 mg 45-1622-9

1 g 45-1622-13

Wax Esters of Stearic Acid (C 18:0)

Lauryl Stearate

No. of C: C 12:0 Documentation: Not included Purity: 99%

100 mg 45-1812-9

1 g 45-1812-13

Myristyl Stearate

No. of C: C 14:0 Documentation: Not included Purity: 99%

100 mg 45-1814-9

1 g 45-1814-13

Palmityl Stearate

No. of C: C 16:0 Documentation: Not included Purity: 99%

100 mg 45-1816-9

1 g 45-1816-13

Stearyl Stearate

No. of C: C 18:0 Documentation: Not included Purity: 99%

100 mg 45-1818-9

1 g 45-1818-13

Oleyl Stearate

No. of C: C 18:1 Documentation: Not included Purity: 99%

100 mg 45-1838-9

1 g 45-1838-13

Linoleyl Stearate

No. of C: C 18:2 Documentation: Not included Purity: 99%

100 mg 45-1848-9

1 g 45-1848-13

Arachidyl Stearate

No. of C: C 20:0 Documentation: Not included Purity: 99%

100 mg 45-1820-9

1 g 45-1820-13

Behenyl Stearate

No. of C: C 22:0 Documentation: Not included Purity: 99%

100 mg 45-1822-9

1 g 45-1822-13

Wax Esters of Oleic Acid (C 18:1)

Lauryl Oleate

No. of C: C 12:0 Documentation: Not included Purity: 99%

100 mg 45-3812-9

1 g 45-3812-13

Myristyl Oleate

No. of C: C 14:0 Documentation: Not included Purity: 99%

100 mg 45-3814-9

1 g 45-3814-13

Palmityl Oleate

No. of C: C 16:0 Documentation: Not included Purity: 99%

100 mg 45-3816-9

1 g 45-3816-13

Stearyl Oleate

No. of C: C 18:0 Documentation: Not included Purity: 99%

100 mg 45-3818-9

1 g 45-3818-13

Oleyl Oleate

No. of C: C 18:1 Documentation: Not included Purity: 99%

100 mg 45-3838-9

1 g 45-3838-13

Linoleyl Oleate

No. of C: C 18:2 Documentation: Not included Purity: 99%

100 mg 45-3848-9

1 g 45-3848-13

Arachidyl Oleate

No. of C: C 20:0 Documentation: Not included Purity: 99%

100 mg 45-3820-9

1 g 45-3820-13

Behenyl Oleate

No. of C: C 22:0 Documentation: Not included Purity: 99%

100 mg 45-3822-9

1 g 45-3822-13

Wax Esters of Linoleic Acid (C 18:2)

Lauryl Linoleate

No. of C: C 12:0 Documentation: Not included Purity: 99%

100 mg 45-4812-9

1 g 45-4812-13

Myristyl Linoleate

No. of C: C 14:0 Documentation: Not included Purity: 99%

100 mg 45-4814-9

1 g 45-4814-13

Palmityl Linoleate

No. of C: C 16:0 Documentation: Not included Purity: 99%

100 mg 45-4816-9

1 g 45-4816-13

Stearyl Linoleate

No. of C: C 18:0 Documentation: Not included Purity: 99%

100 mg 45-4818-9

1 g 45-4818-13

Oleyl Linoleate

No. of C: C 18:1 Documentation: Not included Purity: 99%

100 mg 45-4838-9

1 g 45-4838-13

Linoleyl Linoleate

No. of C: C 18:2 Documentation: Not included Purity: 99%

100 mg 45-4848-9

1 g 45-4848-13

Arachidyl Linoleate

No. of C: C 20:0 Documentation: Not included Purity: 99%

100 mg 45-4820-9

1 g 45-4820-13

Behenyl Linoleate

No. of C: C 22:0 Documentation: Not included Purity: 99%

100 mg 45-4822-9

1 g 45-4822-13

Wax Esters of Arachidic Acid (C 20:0)

Lauryl Arachidate

No. of C: C 12:0 Documentation: Not included Purity: 99%

100 mg 45-2012-9

1 g 45-2012-13

Myristyl Arachidate

No. of C: C 14:0 Documentation: Not included Purity: 99%

100 mg 45-2014-9

1 g 45-2014-13

Palmityl Arachidate

No. of C: C 16:0 Documentation: Not included Purity: 99%

100 mg 45-2016-9

1 g 45-2016-13

Stearyl Arachidate

No. of C: C 18:0 Documentation: Not included Purity: 99%

100 mg 45-2018-9

1 g 45-2018-13

Oleyl Arachidate

No. of C: C 18:1 Documentation: Not included Purity: 99%

100 mg 45-2038-9

1 g 45-2038-13

Linoleyl Arachidate

No. of C: C 18:2 Documentation: Not included Purity: 99%

100 mg 45-2048-9

1 g 45-2048-13

Arachidyl Arachidate

No. of C: C 20:0 Documentation: Not included Purity: 99%

100 mg 45-2020-9

1 g 45-2020-13

Behenyl Arachidate

No. of C: C 22:0 Documentation: Not included Purity: 99%

100 mg 45-2022-9

1 g 45-2022-13

Wax Esters of Behenic Acid (C 22:0)

Lauryl Behenate

No. of C: C 12:0 Documentation: Not included Purity: 99%

100 mg 45-2212-9

1 g 45-2212-13

Myristyl Behenate

No. of C: C 14:0 Documentation: Not included Purity: 99%

100 mg 45-2214-9

1 g 45-2214-13

Palmityl Behenate

No. of C: C 16:0 Documentation: Not included Purity: 99%

100 mg 45-2216-9

1 g 45-2216-13

Stearyl Behenate

No. of C: C 18:0 Documentation: Not included Purity: 99%

100 mg 45-2218-9

1 g 45-2218-13

Oleyl Behenate

No. of C: C 18:1 Documentation: Not included Purity: 99%

100 mg 45-2238-9

1 g 45-2238-13

Linoleyl Behenate

No. of C: C 18:2 Documentation: Not included Purity: 99%

100 mg 45-2248-9

1 g 45-2248-13

Arachidyl Behenate

No. of C: C 20:0 Documentation: Not included Purity: 99%

100 mg 45-2220-9

1 g 45-2220-13

Behenyl Behenate

No. of C: C 22:0 Documentation: Not included Purity: 99%

100 mg 45-2222-9

1 g 45-2222-13

Dicarboxylic Acids

Oxalic Acid

Mw: 90,0 Documentation: GC / TLC Purity: 98%

100 mg 15-0200-9

1 g 15-0200-13

10 g 15-0200-17

Malonic Acid

Mw: 104,1 Documentation: GC / TLC Purity: 98%

100 mg 15-0300-9

1 g 15-0300-13

10 g 15-0300-17

Succinic Acid

Mw: 118,1 Documentation: GC / TLC Purity: 98%

100 mg 15-0400-9

1 g 15-0400-13

10 g 15-0400-17

Glutaric Acid

Mw: 132,1 Documentation: GC / TLC Purity: 98%

100 mg 15-0500-9

1 g 15-0500-13

10 g 15-0500-17

Adipic Acid

Mw: 146,1 Documentation: GC / TLC Purity: 98%

100 mg 15-0600-9

1 g 15-0600-13

10 g 15-0600-17

Pimelic Acid

Mw: 160,2 Documentation: GC / TLC Purity: 98%

100 mg 15-0700-9

1 g 15-0700-13

10 g 15-0700-17

Suberic Acid

Mw: 174,2 Documentation: GC / TLC Purity: 98%

100 mg 15-0800-9

1 g 15-0800-13

10 g 15-0800-17

Azelaic Acid

Mw: 188,2 Documentation: GC / TLC Purity: 98%

100 mg 15-0900-9

1 g 15-0900-13

10 g 15-0900-17

Sebacic Acid

Mw: 202,3 Documentation: GC / TLC Purity: 98%

100 mg 15-1000-9

1 g 15-1000-13

10 g 15-1000-17

Undecanedioic Acid

Mw: 216,3 Documentation: GC / TLC Purity: 98%

100 mg 15-1100-9

1 g 15-1100-13 198

Dodecanedioic Acid

Mw: 230,3 Documentation: GC / TLC Purity: 98%

100 mg 15-1200-9

1 g 15-1200-13

10 g 15-1200-17

Brassylic Acid

Mw: 244,3 Documentation: GC / TLC Purity: 98%

100 mg 15-1300-9

1 g 15-1300-13

Tetradecanedioic Acid

Mw: 258,4 Documentation: GC / TLC Purity: 98%

100 mg 15-1400-9

1 g 15-1400-13

Pentadecanedioic Acid

Mw: 272,4 Documentation: GC / TLC Purity: 98%

100 mg 15-1500-9

1 g 15-1500-13

Hexadecanedioic Acid

Mw: 286,4 Documentation: GC / TLC Purity: 98%

100 mg 15-1600-9

1 g 15-1600-13

Hexacosanedioic Acid

Mw: 426,7 Documentation: GC / TLC Purity: 98%

100 mg 15-2600-9

Dicarboxylic Acids Dimethyl Esters

Dimethyl Oxalate

Documentation: GC / TLC Purity: 98%

100 mg 25-0200-9

1 g 25-0200-13

10 g 25-0200-17

Dimethyl Malonate

Documentation: GC / TLC Purity: 98%

100 mg 25-0300-9

1 g 25-0300-13

10 g 25-0300-17

Dimethyl Succinate

Documentation: GC / TLC Purity: 98%

100 mg 25-0400-9

1 g 25-0400-13

10 g 25-0400-17

Dimethyl Glutarate

Documentation: GC / TLC Purity: 98%

100 mg 25-0500-9

1 g 25-0500-13

10 g 25-0500-17

Dimethyl Adipate

Documentation: GC / TLC Purity: 98%

100 mg 25-0600-9

1 g 25-0600-13

10 g 25-0600-17

Dimethyl Pimelate

Documentation: GC / TLC Purity: 98%

100 mg 25-0700-9

1 g 25-0700-13

10 g 25-0700-17

Dimethyl Suberate

Documentation: GC / TLC Purity: 98%

100 mg 25-0800-9

1 g 25-0800-13

10 g 25-0800-17

Dimethyl Azelate

Documentation: GC / TLC Purity: 98%

100 mg 25-0900-9

1 g 25-0900-13

10 g 25-0900-17

Dimethyl Sebacate

Documentation: GC / TLC Purity: 98%

100 mg 25-1000-9

1 g 25-1000-13

10 g 25-1000-17

Dimethyl Undecanedioate

Documentation: GC / TLC Purity: 98%

100 mg 25-1100-9

1 g 25-1100-13 198

Dimethyl Dodecanedioate

Documentation: GC / TLC Purity: 98%

100 mg 25-1200-9

1 g 25-1200-13

10 g 25-1200-17

Dimethyl Brassylate

Documentation: GC / TLC Purity: 98%

100 mg 25-1300-9

1 g 25-1300-13

Dimethyl Tetradecanedioate

Documentation: GC / TLC Purity: 98%

100 mg 25-1400-9

1 g 25-1400-13

Dimethyl Pentadecanedioate

Documentation: GC / TLC Purity: 98%

100 mg 25-1500-9

1 g 25-1500-13

Dimethyl Hexadecanedioate

Documentation: GC / TLC Purity: 98%

100 mg 25-1600-9

1 g 25-1600-13

Dimethyl Octadecanedioate

Documentation: GC / TLC Purity: 98%

100 mg 25-1800-9

1 g 25-1800-13

Dimethyl Hexacosanedioate *Documentation: GC / TLC Purity: 98%*

100 mg 25-2600-9 60

1 g 25-2600-13 1

Phospholipids

Diacylphospholipids (R1 and R2 alkyl chains)

R(X) -(CH₂)₂N+(CH₃)₃ = L- α -Diacylphosphatidylcholine

R(X) -(CH₂)₂N+H₃ = L- α -Diacylphosphatidylethanolamine

R(X) - CH₂CH(COOH)N+H₃ = L- α -Diacylphosphatidylserine

R(X) -H = L- α -Diacylphosphatidic acid

R(X) -CH₂CH(OH)CH₂OH = L- α -Diacylphosphatidylglycerol

Dialkylphospholipids (R1 and R2 alkyl chains)

R(Y) -(CH₂)₂N+(CH₃)₃ = L- α -Dialkylphosphatidylcholine

R(Y) -(CH₂)₂N+H₃ = L- α -Dialkylphosphatidylethanolamine

R(Y) - CH₂CH(COOH)N+H₃ = L- α -Dialkylphosphatidylserine

R(Y) -H = L- α -Dialkylphosphatidic acid

R(Y) -CH₂CH(OH)CH₂OH = L- α -Dialkylphosphatidylglycerol

Natural Phospholipids

Natural Phospholipids are isolated from plant or animal sources and purified to 98+% purity.

Our natural Phospholipids are delivered in an appropriate solvent. Bulk quantities are delivered as requested, e.g. neat. QC testing is done by TLC.

L-alpha-Phosphatidylcholines (PC) (L-3-PC)

PC (egg)

Documentation: Not included Purity: 98+%

100 mg 37-0100-9

500 mg 37-0100-12

1 g 37-0100-13

PC (soybean)

Documentation: Not included Purity: 98+%

100 mg 37-0102-9

500 mg 37-0102-12

1 g 37-0102-13

PC (heart, bovine)

Documentation: Not included *Purity:* 98+%

25 mg 37-0104-7

100 mg 37-0104-9

PC (brain, bovine)

Documentation: Not included *Purity:* 98+%

25 mg 37-0105-7

100 mg 37-0105-9

500 mg 37-0105-12

PC (liver, bovine or porcine)

Documentation: Not included *Purity:* 98+%

25 mg 37-0106-7

100 mg 37-0106-9

PC (soybean, hydrogenated)

Documentation: Not included *Purity:* min 98%

100 mg 37-0108-9

500 mg 37-0108-12

1 g 37-0108-13

L-alpha-Phosphatidylethanolamines (PE) (L-3-PE)

PE (egg)

Documentation: Not included *Purity:* 98+%

25 mg 37-0120-7

100 mg 37-0120-9

500 mg 37-0120-12

PE (heart, bovine)

Documentation: Not included *Purity:* 98+%

10 mg 37-0123-5

50 mg 37-0123-8

PE (E. Coli)

Documentation: Not included *Purity:* 98+%

10 mg 37-0127-5

50 mg 37-0127-8

L-alpha-Phosphatidylinositols (PI) (L-3-PI)

PI (soya)

Documentation: Not included *Purity:* 98+%

10 mg 37-0130-5

25 mg 37-0130-7

PI (wheat germ (Na salt))

Documentation: Not included *Purity:* 98+%

50 mg 37-0131-8

PI (yeast)

Documentation: Not included *Purity:* 98+%

10 mg 37-0132-5

25 mg 37-0132-7

PI (heart, bovine)

Documentation: Not included *Purity:* 98+%

10 mg 37-0133-5

25 mg 37-0133-7

L-alpha-Phosphatidic acids (PA) (L-3-PA)

PA (egg PC)

Documentation: Not included *Purity:* 98+%

25 mg 37-0140-7

100 mg 37-0140-9

PA (soybean PC), NH₄⁺ salt

Documentation: Not included *Purity:* 98+%

10 mg 37-0141-5

50 mg 37-0141-8

L-alpha-Phosphatidylglycerols (PG) Cardiolipin (CL) (L-3-PG)

PG (egg PC)

Documentation: Not included *Purity:* 98+%

25 mg 37-0150-7

100 mg 37-0150-9

PG (soybean PC)

Documentation: Not included *Purity:* 98+%

25 mg 37-0151-7

Cardiolipin (CL), ammonium salt (bovine)

Documentation: Not included *Purity:* 98+%

37-0170-0

L-alpha-Phosphatidylserines (PS) (L-3-PS)

PS (brain, bovine)

Documentation: Not included *Purity:* 98+%

10 mg 37-0160-5

25 mg 37-0160-7

100 mg 37-0160-9

PS (spinal cord, bovine)

Documentation: Not included *Purity:* 98+%

25 mg 37-0161-7

100 mg 37-0161-9

PS (brain, bovine)

Documentation: Not included *Purity:* Appr.90%

25 mg 37-0160-90-7

L-alpha-Lysophosphatidylcholines (LPC) (L-3-LPC)

LPC (egg) (neat)

Documentation: Not included *Purity:* 98+%

25 mg 38-0100-7

100 mg 38-0100-9

500 mg 38-0100-12

LPC (soybean)

Documentation: Not included *Purity:* 98+%

25 mg 38-0101-7

100 mg 38-0101-9

500 mg 38-0101-12

LPC (brain, bovine)

Documentation: Not included *Purity:* 98+%

25 mg 38-0103-7

100 mg 38-0103-9

LPC (liver, bovine or porcine)

Documentation: Not included *Purity:* 98%

10 mg 38-0104-5

50 mg 38-0104-8

L-alpha-Lysophosphatidylethanolamines (LPE) (L-3-LPE)

LPE (egg)

Documentation: Not included *Purity:* 98+%

25 mg 38-0120-7

100 mg 38-0120-9

500 mg 38-0120-12

LPE (soybean)

Documentation: Not included *Purity:* 98+%

25 mg 38-0121-7

100 mg 38-0121-9

LPE (bovine)

Documentation: Not included *Purity:* 98+%

25 mg 38-0125-7

100 mg 38-0125-9

L-alpha-Lysophosphatidylinositols (LPI) (L-3-LPI)

LPI (soybean)

Documentation: Not included *Purity:* 98+%

2 mg 38-0130-2

LPI (liver, porcine)

Documentation: Not included *Purity:* 98+%

5 mg 38-0131-4

L-alpha-Lysophosphatidylglycerol (LPG) (L-3-LPG)

LPG (egg PC)

Documentation: Not included *Purity:* 98+%

25 mg 38-0150-7

100 mg 38-0150-9

Semisynthetic Phospholipids

sn-Glycerophosphorylcholines

sn-Glycerophosphorylcholine (egg, free base)

Documentation: Not included *Purity:* appr. 99%

100 mg 37-0110-9

500 mg 37-0110-12

sn-Glycerophosphorylcholine (egg, CdCl₂ complex))

Documentation: Not included *Purity:* 98+%

100 mg 37-0111-9

500 mg 37-0111-12

Diacyl Phosphatidyl Cholines

1,2-Diacyl-sn-Glycero-3-Phosphatidylcholines, (L-alpha-Phosphatidylcholines, 1,2-diacyl)

1,2-Dihexanoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 6:0 *Mw:* 453.5 *Documentation:* Not included *Purity:* appr. 99%

25 mg 37-0600-7

100 mg 37-0600-9

1,2-Dilauroyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 12:0 *Mw:* 621.9 *Documentation:* Not included *Purity:* appr. 99%

100 mg 37-1200-9

250 mg 37-1200-11

1 g 37-1200-13

1,2-Dimyristoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 14:0 *Mw:* 678.0 *Documentation:* Not included *Purity:* appr. 99%

100 mg 37-1400-9

250 mg 37-1400-11

1,2-Dipentadecanoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 15:0 *Mw:* 706.0 *Documentation:* Not included *Purity:* appr. 99%

100 mg 37-1500-9

250 mg 37-1500-11

1,2-Dipalmitoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 16:0 *Mw:* 734.5 *Documentation:* Not included *Purity:* appr. 99%

100 mg 37-1600-9

250 mg 37-1600-11

1,2-Diphytanoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 16:0 Mw: 734.5 Documentation: Not included Purity: appr. 99%

37-1604-0

1,2-Diheptadecanoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 17:0 Mw: 762.2 Documentation: Not included Purity: appr. 99%

100 mg 37-1700-9

250 mg 37-1700-11

1,2-Distearoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 18:0 Mw: 790.2 Documentation: Not included Purity: appr. 99%

100 mg 37-1800-9

250 mg 37-1800-11

1 g 37-1800-13

1,2-Dioleoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 18:1 Mw: 786.2 Documentation: Not included Purity: appr. 99%

100 mg 37-1801-9

250 mg 37-1801-11

1 g 37-1801-13

1,2-Dilinoleoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 18:2 Mw: 782.2 Documentation: Not included Purity: appr. 99%

25 mg 37-1802-7

100 mg 37-1802-9

1,2-Dinonadecanoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 19:0 Mw: 818.2 Documentation: Not included Purity: appr. 99%

100 mg 37-1900-9

250 mg 37-1900-11

1,2-Diarachidoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 20:0 Mw: 846.2 Documentation: Not included Purity: appr. 99%

100 mg 37-2000-9

250 mg 37-2000-11

1,2-Diarachidonoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 20:4 Mw: 830.2 Documentation: Not included Purity: appr. 99%

10 mg 37-2004-5

1-Palmitoyl-2-Oleoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: 16:0;18:1 Mw: 760.1 Documentation: Not included Purity: appr. 99%

25 mg 37-1618-7

100 mg 37-1618-9

500 mg 37-1618-12

1-Palmitoyl-2-Linoleoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: C16:0-18:2 *Mw:* 758.1 *Documentation:* Not included *Purity:* appr. 99%

10 mg 37-1622-5

1-Stearoyl-2-Arachidonoyl-sn-Glycero-3-Phosphatidylcholine

No. of C: C18:0C20:4 *Mw:* 810.1 *Documentation:* Not included *Purity:* 98%

10 mg 37-1840-5

Diacyl Phosphatidyl Ethanolamines

1,2-Diacyl-sn-Glycero-3-Phosphatidylethanolamines , (L-alpha-Phosphatidylethanolamines, 1,2-diacyl)

1,2-Dilauroyl-sn-Glycero-3-Phosphatidylethanolamine

No. of C: 12:0 *Mw:* 579,8 *Documentation:* Not included *Purity:* appr. 99%

100 mg 37-1220-9

250 mg 37-1220-11

1,2-Dimyristoyl-sn-Glycero-3-Phosphatidylethanolamine

No. of C: 14:0 *Mw:* 635,9 *Documentation:* Not included *Purity:* appr. 99%

100 mg 37-1420-9

250 mg 37-1420-11

1,2-Dipalmitoyl-sn-Glycero-3-Phosphatidylethanolamine

No. of C: 16:0 *Mw:* 692 *Documentation:* Not included *Purity:* appr. 99%

100 mg 37-1620-9

250 mg 37-1620-11

1 g 37-1620-13

1,2-Distearoyl-sn-Glycero-3-Phosphatidylethanolamine

No. of C: 18:0 *Mw:* 748 *Documentation:* Not included *Purity:* appr. 99%

100 mg 37-1820-9

250 mg 37-1820-11

1,2-Dioleoyl-sn-Glycero-3-Phosphatidylethanolamine

No. of C: 18:1 *Mw:* 744 *Documentation:* Not included *Purity:* appr. 99%

25 mg 37-1821-7

100 mg 37-1821-9

Diacylphosphatidylcholines

37-1822-7 1-Stearoyl-2-Linoleoyl-sn-Glycero-3-Phosphatidylcholine, 25mg/ml, 1 ml

37-1823-7 1-Stearoyl-2-(9c,11tr)-octadecadienoyl-sn-Glycero-3-Phosphatidylcholine, 25mg/ml, 1 ml

37-1826-7

1-Stearoyl-2-(10tr,12c)-octadecadienoyl-sn-Glycero-3-
Phosphatidylcholine, 25mg/ml, 1 ml

Diacyl Phosphatidic Acids

1,2-Diacyl-sn-Glycero-3-Phosphatic Acids, NH₃-salt or free form, (L-alpha-Phosphatidic Acid, 1,2-diacyl)

1,2-Dimyristoyl-sn-Glycero-3-Phosphatidic Acid

No. of C: 14:0 Mw: 613,8 Documentation: Not included Purity: appr. 99%

100 mg 38-1460-9

250 mg 38-1460-11

1 g -1460-13

1,2-Dipalmitoyl-sn-Glycero-3-Phosphatidic Acid

No. of C: 16:0 Mw: 669,9 Documentation: Not included Purity: appr. 99%

100 mg 38-1660-9

250 mg 38-1660-11

1,2-Distearoyl-sn-Glycero-3-Phosphatidic Acid

No. of C: 18:0 Mw: 726 Documentation: Not included Purity: appr. 99%

100 mg 38-1860-9

250 mg 38-1860-11

1,2-Dioleoyl-sn-Glycero-3-Phosphatidic Acid

No. of C: 18:1 Mw: 721,9 Documentation: Not included Purity: appr. 99%

100 mg 38-1861-9

250 mg 38-1861-11

1-Palmitoyl-2-Oleoyl-sn-Glycero-3-Phosphatidic Acid

No. of C:16:0-18:1 Mw: 696.2 Documentation: Not included Purity: appr. 99%

25 mg 38-1662-7

Diacyl Phosphatidyl Glycerols

1,2-Diacyl-sn-Glycero-3-Phosphatidyl-rac-glycerols, Na-salts, (L-alpha-Phosphatidyl-rac-glycerol, 1,2-diacyl)

1,2-Dimyristoyl-sn-Glycero-3-Phosphatidyl-rac-glycerol(Na-salt)

No. of C: 14:0 Mw: 688,9 Documentation: Not included Purity: appr. 99%

100 mg 38-3014-9

250 mg 38-3014-11

1 g 38-3014-13

1,2-Dipalmitoyl-sn-Glycero-3-Phosphatidyl-rac-glycerol(Na-salt)

No. of C: 16:0 Mw: 745,0 Documentation: Not included Purity: appr. 99%

100 mg 38-3016-9

250 mg 38-3016-11

1 g 38-3016-13

1,2-Distearoyl-sn-Glycero-3-Phosphatidyl-rac-glycerol(Na-salt)

No. of C: 18:0 Mw: 801 Documentation: Not included Purity: appr. 99%

100 mg 38-3018-9

250 mg 38-3018-11

1 g 38-3018-13

1,2-Dioleoyl-sn-Glycero-3-Phosphatidyl-rac-glycerol(Na-salt)

No. of C: 18:1 Mw: 797 Documentation: Not included Purity: appr. 99%

25 mg 38-3028-7

100 mg 38-3028-9

1-Palmitoyl-2-Oleoyl-sn-Glycero-3-Phosphatidyl-rac-glycerol(Na-salt)

No. of C: 16:0- 18:1 Mw: 771 Documentation: Not included Purity: 98+%

25 mg 38-3030-7

100 mg 38-3030-9

Diacyl Phosphatidyl Serines

1,2-Diacyl-sn-Glycero-3-Phospho-L-Serines, (L-alpha-Phosphatidyl-L-serines, 1,2-diacyl)

1,2-Dimyristoyl-sn-Glycero-3-Phospho-L-Serine

No. of C:14:0 2Documentation: Not included Purity: appr. 99%

38-1480-0

1,2-Palmitoyl-sn-Glycero-3-Phospho-L-Serine

No. of C:16:0 Documentation: Not included Purity: appr. 99%

38-1680-0

Lyso-Phosphatidylcholines

1-Acyl-2-Hydroxy-sn-Glycero-3-Phosphatidylcholines, (L-alpha-Phosphatidylcholines, 1-acyl, 2-hydroxy)

1-Myristoyl-2-Hydroxy-sn-Glycero-3-Phosphatidylcholine

No. of C: 14:0 Mw: 467,6 Documentation: Not included Purity: appr. 99%

25 mg 38-1400-7

100 mg 38-1400-9

1-Palmitoyl-2-Hydroxy-sn-Glycero-3-Phosphatidylcholine

No. of C: 16:0 Mw: 495,6 Documentation: Not included Purity: appr. 99%

25 mg 38-1600-7

100 mg 38-1600-9

500 mg 38-1600-12

1-Stearoyl-2-Hydroxy-sn-Glycero-3-Phosphatidylcholine

No. of C: 18:0 Mw: 523,7 Documentation: Not included Purity: appr. 99%

25 mg 38-1800-7

100 mg 38-1800-9

500 mg 38-1800-12

1-Oleoyl-2-Hydroxy-sn-Glycero-3-Phosphatidylcholine

No. of C: 18:1 Mw: 521,7 Documentation: Not included Purity: appr. 99%

25 mg 38-1801-7

100 mg 38-1801-9

Lyso-Phosphatidylglycerols

1-Acyl-2-Hydroxy-sn-Glycero-3-Phosphatidylglycerol, (L-alpha-Phosphatidylglycerols, 1-acyl, 2-hydroxy)

1-Palmitoyl-2-Hydroxy-sn-Glycero-3-Phosphatidylglycerol

No. of C: 16:0 Documentation: Not included Purity: appr. 99%

25 mg 38-5016-7

100 mg 38-5016-9

1-Stearoyl-2-Hydroxy-sn-Glycero-3-Phosphatidylglycerol

No. of C: 18:0 Documentation: Not included Purity: appr. 99%

25 mg 38-5018-7

100 mg 38-5018-9

1-Oleoyl-2-Hydroxy-sn-Glycero-3-Phosphatidylglycerol

No. of C: 18:1 Documentation: Not included Purity: appr. 99%

25 mg 38-5019-7

100 mg 38-5019-9 2

Alkyl-O-Phospholipids

1,2-Di-O-Alkyl-sn-Glycero-3-Phospholipids

1,2-Di-O-Tetradecyl-sn-Glycero-3-Phosphatidylcholine

Documentation: Not included Purity: 98+%

50 mg 37-1480-8

100 mg 37-1480-9

250 mg 37-1480-11

1,2-Di-O-Hexadecyl-sn-Glycero-3-Phosphatidylcholine

Documentation: Not included *Purity:* 98+%

50 mg 37-1680-8

100 mg 37-1680-9

250 mg 37-1680-11

1,2-Di-O-Hexadecyl-sn-Glycero-3-Phosphatidylethanolamine

Documentation: Not included *Purity:* 98+%

50 mg 37-1682-8

100 mg 37-1682-9

250 mg 37-1682-11

1,2-Di-O-Hexadecyl-sn-Glycero-3-Phosphatidylmethylethanolamine

Documentation: Not included *Purity:* 98+%

50 mg 37-1684-8

100 mg 37-1684-9

250 mg 37-1684-11

1,2-Di-O-Hexadecyl-sn-Glycero-3-Phosphatidyl dimethylethanolamine

Documentation: Not included *Purity:* 98+%

50 mg 37-1686-8

100 mg 37-1686-9

250 mg 37-1686-11

Di-O-Alkyl Phosphatidic Acids

1,2-Di-O-Alkyl-sn-Glycero-3-Phosphatic Acids Na-salts

1,2-Di-O-Dodecyl-sn-Glycero-3-Phosphatidic Acid (Na-salt)

Documentation: Not included *Purity:* 98+%

1 g -1265-13

50 mg -1265-8

100 mg -1265-9

250 mg -1265-11

1,2-Di-O-Hexadecyl-sn-Glycero-3-Phosphatidic Acid (Na-salt)

Documentation: Not included *Purity:* 98+%

1 g -1665-13

50 mg -1665-8

100 mg -1665-9

250 mg -1665-11

1,2-Di-O-Octadecyl-sn-Glycero-3-Phosphatidic Acid (Na-salt)

Documentation: Not included *Purity:* 98+%

50 mg -1865-8

100 mg -1865-9

250 mg -1865-11

Sphingolipids

Sphingolipids are sphingosine derivatives having the C2 amino group linked to a fatty acid residue . When the C1 OH-group is linked to carbohydrate (mono-, oligosaccharides), the resulting structure becomes a Glycosphingolipid. Sphingomyelin is sphingosine having the C1 OH-group esterified to become a phosphorylcholine derivative . Gangliosides are sialic acid containing glycosphingolipids (see under Gangliosides). Our sphingolipids are of 98+% purity, i.e. free of proteins and peptides for direct use as standards or reagents.

Sphingosines and Dihydrosphingosines**D-Sphingosine (trans-D-erythro-2-amino-4-octadecene-1,3-diol)****D-Sphingosine (bovine)**

Mw: 299,5 *Documentation:* Not included *Purity:* 98+%

10 mg 56-1086-5

50 mg 56-1086-8

Phytosphingosine

Documentation: Not included *Purity:* 98+%

25 mg 56-1125-7

100 mg 56-1125-9

trans D-erythro-Sphingosine (synthetic)

Mw: 299,5 *Documentation:* Not included *Purity:* 98+%

10 mg 56-1302-5

25 mg 56-1302-7

trans L-erythro-Sphingosine (synthetic)

Mw: 299,5 *Documentation:* Not included *Purity:* 98+%

10 mg 56-1304-5

Dihydrosphingosine (sphinganine)

Mw: 301,5 *Documentation:* Not included *Purity:* 98+%

10 mg 56-1306-5

25 mg 56-1306-7

D-erythro-Dihydrosphingosine

Mw: 301,5 Documentation: Not included Purity: 98+%

5 mg 56-1307-4

25 mg 56-1307-7

L-erythro-Dihydrosphingosine

Mw: 301,5 Documentation: Not included Purity: 98+%

1 mg 56-1309-1

D-erythro-Sphingosine-1-Phosphate

Mw: 379,5 Documentation: Not included Purity: 98+%

10 mg 56-1311-5

3-keto-Dihydrosphingosine.HCl NEW

Documentation: Not included Purity: 98+%

10 mg 56-1312-5

3-keto-C6-Dihydrosphingosine.HCl NEW

Documentation: Not included Purity: 98+%

10 mg 56-1313-5

3-keto-C8-Dihydrosphingosine.HCl NEW

Documentation: Not included Purity: 98+%

10 mg 56-1314-5

3-keto-C12-Dihydrosphingosine.HCl NEW

Documentation: Not included Purity: 98+%

10 mg 56-1315-5

D-erythro-Sphingosine (1,2-13C2, 99% ; 1,1-D2, 98%)

Documentation: Not included Purity: 98+%

1 mg 71-1086-1

10 mg 71-1086-5

D-erythro-Sphingosines - C10 - C 20 Chain length

C12-D-erythro-Sphingosine

No. of C: 12:0 Mw: 215,3 Documentation: Not included Purity: 98%

5 mg 56-1321-4

C14-D-erythro-Sphingosine

No. of C: 14:0 Mw: 243,4 Documentation: Not included Purity: 98%

5 mg 56-1322-4

C16-D-erythro-Sphingosine

No. of C: 16:0 Mw: 271,4 Documentation: Not included Purity: 98%

5 mg 56-1323-4

C18-D-erythro-Sphingosine

No. of C: 18:0 Mw: 299,4 Documentation: Not included Purity: 98%

10 mg 56-1324-5

C20-D-erythro-Sphingosine

No. of C: 20:0 Mw: 327,4 Documentation: Not included Purity: 98%

5 mg 56-1325-4

Ceramides (N-acyl-sphingosine) D-erythro-forms

Ceramide (saturated, unsaturated and α -OH fatty acids)

Documentation: Not included Purity: 98+%

25 mg 56-1000-7

100 mg 56-1000-9

Ceramide HFA (α -OH fatty acids)

Documentation: Not included Purity: 98+%

10 mg 56-1001-5

N-Acetyl-D-Sphingosine

No. of C: 2:0 Mw: 341.5 Documentation: Not included Purity: 98+%

1 g 56-1087-13

10 mg 56-1087-5

N-Hexanoyl-D-Sphingosine

No. of C: 6:0 Mw: 397.5 Documentation: Not included Purity: 98+%

10 mg 56-1093-5

N-Octanoyl-D-Sphingosine

No. of C: 8:0 Mw: 341.5 Documentation: Not included Purity: 98+%

10 mg 56-1094-5

N-Myristoyl-D-Sphingosine

No. of C: 14:0 Mw: 509.9 Documentation: Not included Purity: 98+%

5 mg 56-1121-4

N-Pentadecanoyl-D-Sphingosine NEW

No. of C: C15:0 Documentation: Not included Purity: 98+%

10 mg 56-1135-5

N-Palmitoyl-D-Sphingosine

No. of C: 16:0 Mw: 537.9 Documentation: Not included Purity: 98+%

1 g 56-1088-13

10 mg 56-1088-5

N-Heptadecanoyl-D-Sphingosine NEW

No. of C: C17:0 Documentation: Not included Purity: 98+%

10 mg 56-1136-5

N-Stearoyl-D-Sphingosine

No. of C: 18:0 Mw: 565.9 Documentation: Not included Purity: 98+%

10 mg 56-1089-5

N-Stearoyl-D-threo-Sphingosine

No. of C: 18:0 Mw: 565.9 Documentation: Not included Purity: 98+%

1 mg 56-1134-1

N-Nonadecanoyl-D-Sphingosine NEW

No. of C: C19:0 Documentation: Not included Purity: 98+%

10 mg 56-1137-5

N-Eicosanoyl-D-Sphingosine

No. of C: 20:0 Mw: 593.9 Documentation: Not included Purity: 98+%

5 mg 56-1122-4

N-Tetracosanoyl-D-Sphingosine

No. of C: C24:0 Documentation: Not included Purity: 98+%

5 mg 56-1124-4

N-Nervonoyl-D-Sphingosine

No. of C: C24:1 Documentation: Not included Purity: 98%

5 mg 56-1123-4

Dihydroceramides (N-acyl-Sphinganine)

C2-dihydro-Ceramide (N-acetyl-)

No. of C: 2:0 Mw: 343.5 Documentation: Not included Purity: 98+%

5 mg 56-1074-4

50 mg 56-1074-8

C6-dihydro-Ceramide (N-hexanoyl-)

No. of C: 6:0 Mw: 399.6 Documentation: Not included Purity: 98+%

5 mg 56-1075-4

50 mg 56-1075-8

C8-dihydro-Ceramide (N-octanoyl-)

No. of C: 8:0 Mw: 427.7 Documentation: Not included Purity: 98+%

5 mg 56-1076-4

50 mg 56-1076-8

C18-dihydro-Ceramide (N-stearoyl-)

No. of C: 18:0 Mw: 567.9 Documentation: Not included Purity: 98+%

5 mg 56-1077-4

50 mg 56-1077-8

Phytoceramides (N-acyl-Phytosphingosines)

N-Acetyl-Phytosphingosine

Documentation: Not included *Purity:* 98+%

5 mg 56-1160-4

N-Hexanoyl-Phytosphingosine

Documentation: Not included *Purity:* 98+%

5 mg 56-1161-4

N-Octanoyl-Phytosphingosine

Documentation: Not included *Purity:* 98+%

5 mg 56-1162-4

N-Palmitoyl-Phytosphingosine

Documentation: Not included *Purity:* 98+%

5 mg 56-1163-4

N-Stearoyl-Phytosphingosine

Documentation: Not included *Purity:* 98+%

5 mg 56-1164-4

N-Tetracosanoyl-Phytosphingosine

Documentation: Not included *Purity:* 98+%

5 mg 56-1165-4

Ceramide derivates

Lactosyl Ceramides Bovine (butter milk)

Mw: 960 *Documentation:* Not included *Purity:* 99%

5 mg 56-1070-4

Lactosyl Ceramides Porcine

Mw: 889 *Documentation:* Not included *Purity:* 99%

1 mg 56-1072-1

lyso-Lactosyl Ceramide

Documentation: Not included *Purity:* 99%

1 mg 56-1073-1

Ceramide Trihexosides (CTH, Gb3)

Mw: 1052 *Documentation:* Not included *Purity:* 99%

1 mg 56-1055-1 315

Ceramide Trihexosides ("top spot") (non-hydroxy FA)

Documentation: Not included *Purity:* 99%

0,5 mg 56-1056-35

Ceramide Trihexosides ("bottom spot") (hydroxy FA)

Documentation: Not included *Purity:* 99%

0,5 mg 56-1057-35

lyso-Ceramide Trihexoside

Mw: 785.9 *Documentation:* Not included *Purity:* 99%

1 mg 56-1058-1 420

Globosides (GL4, Gb4, globotetraosyl ceramide)

Mw: 1239 *Documentation:* Not included *Purity:* 99%

5 mg 56-1065-4 390

Heptadecanoyl ceramide trihexoside (C17 CTH) NEW

Documentation: Not included *Purity:* 99%

0,5 mg 56-1061-35

Tricosanoyl ceramide trihexoside (C23 CTH) NEW

Documentation: Not included *Purity:* 99%

0,5 mg 56-1063-35

Palmitoyl-(methyl-D3)-lactosylceramide NEW

Documentation: Not included *Purity:* 99%

1 mg 71-1071-1

Cerebrosides

Cerebrosides contain saturated and α -hydroxy fatty acids

Cerebrosides

Mw: 812 *Documentation:* Not included *Purity:* 99%

Ceramide galactosides (bov)

50 mg 56-1060-8

250 mg 56-1060-11

Ceramide Galactoside

Mw: 727 *Documentation:* Not included *Purity:* 99%

cont. n-fatty acids (Kerasin)

10 mg 56-1050-5 145

Ceramide Galactoside

Mw: 743 *Documentation:* Not included *Purity:* 99%

cont. 2-hydroxy fatty acids (Phrenosine)

25 mg 56-1051-7

100 mg 56-1051-9

Psychosine

Mw: 461 Documentation: Not included Purity: 99%

lyso-ceramide galactoside

10 mg 56-1090-5

N-Acetyl-Psychosine

Mw: 491 Documentation: Not included Purity: 99%

C2-Cerebroside

10 mg 56-1140-5

N-Pentadecanoyl-psychosine

Mw: 685 Documentation: Not included Purity: 98+%

5 mg 56-1096-4

N-Stearoyl-D35-Psychosine

Mw: 762 Documentation: Not included Purity: 99%

C18-D35-Cerebroside

5 mg 56-1092-D-4

Glucocerebrosides

Mw: 727 Documentation: Not included Purity: 99%

Gaucher's spleen

5 mg 56-1062-4

Glucocerebrosides

Mw: 713 Documentation: Not included Purity: 99%

Plant

5 mg 56-1064-4

Glucocerebrosides

Documentation: Not included Purity: 99%

Bovine/buttermilk

5 mg 56-1067-4

Glucopsychosine

Mw: 461 Documentation: Not included Purity: 99%

lyso-Ceramide glucoside

5 mg 56-1141-4

Sulfatides (bovine)-diagnostic grade (BSE tested)

Mw: 830 Documentation: Not included Purity: 99%

Ceramide galactoside 3-sulfate

25 mg 56-1085-7

100 mg 56-1085-9

lyso-Sulfatide (bovine)NH₄-salt

Mw: 563 Documentation: Not included Purity: 99%

1 mg 56-1142-1 0

Palmitoyl Sulfatide

Mw: 802 Documentation: Not included Purity: 99%

C16:0 side chain

1 mg 56-1059-1 345

N-Palmitoyl-(methyl-D3)-glucopsychosine NEW

Documentation: Not included Purity: 99%

1 mg 71-1070-1 335

Sphingomyelins

D-erythro-Sphingomyelin (contains saturated, unsaturated and 2-hydroxy fatty acids)

Sphingomyelin

Mw: 749 Documentation: Not included Purity: 98+%

Bovine brain

25 mg 56-1080-7

250 mg 56-1080-11

1 g 56-1080-13

Sphingomyelin

Documentation: Not included Purity: 98+%

Egg

100 mg 56-1069-9

500 mg 56-1069-12 200

Sphingomyelin

Mw: 801 Documentation: Not included Purity: 98+%

Bovine buttermilk

25 mg 56-1068-7

N-Acetyl sphingosylphosphorylcholine

Mw: 525 Documentation: Not included Purity: 98+%

5 mg 56-1082-4

N-Hexanoylsphingosylphosphorylcholine

Mw: 581 Documentation: Not included Purity: 98+%

5 mg 56-1083-4

N-Octadecanoylsphingosylphosphorylcholine

Mw: 749 Documentation: Not included Purity: 98+%

5 mg 56-1084-4

Sphingosylphosphorylcholine (lyso-sphingomyelin)

Mw: 465 Documentation: Not included Purity: 98+%

10 mg 56-1143-5

Dihydrosphingosylphosphorylcholine (99% erythro)

Mw: 467 Documentation: Not included Purity: 98+%

1 mg 56-1079-1

N-Palmitoyl-1-13C-Sphingosylphosphorylcholine NEW

Documentation: Not included Purity: 98+%

1 mg 78-1080-1

N-Acetyl-Sphingosylphosphorylethanolamine NEW

Documentation: Not included Purity: 98+%

5 mg 56-1095-4

D-erythro-Sphingosylphosphorylcholine NEW

Documentation: Not included Purity: 98+%

5 mg 56-1144-4

Fluorescent Sphingolipids

C12 NBD-Sphingomyelin

Documentation: Not included Purity: 98+%

100 microgram 39-5050-39

C6 NBD-Sphingomyelin

Documentation: Not included Purity: 98+%

100 microgram 39-5064-39

C12 NBD-Ceramide

Documentation: Not included Purity: 98+%

100 microgram 39-5051-39

C6 NBD-Phytosphingosine

Documentation: Not included Purity: 98+%

100 microgram 39-5052-39

C12 NBD-Phytosphingosine

Documentation: Not included Purity: 98+%

100 microgram 39-5053-39

C6 NBD-L-threo-Dihydrospingosine

Documentation: Not included *Purity:* 98+%

100 microgram 39-5054-39

C12 NBD-L-threo-Dihydrospingosine

Documentation: Not included *Purity:* 98+%

100 microgram 39-5055-39

C6 NBD-D-erythro-Dihydrospingosine

Documentation: Not included *Purity:* 98+%

100 microgram 39-5056-39

C12 NBD-D-erythro-Dihydrospingosine

Documentation: Not included *Purity:* 98+%

100 microgram 39-5057-39

C6 NBD-L-threo-Sphingosine

Documentation: Not included *Purity:* 98+%

100 microgram 39-5058-39

C6 NBD-Sphingosine, beta-D-galactosyl

Documentation: Not included *Purity:* 98+%

100 microgram 39-5060-39

C6 NBD-Sphingosine, beta-D-glucosyl

Documentation: Not included *Purity:* 98+%

100 microgram 39-5061-39

C6 NBD-Sphingosine, beta-D-lactosyl

Documentation: Not included *Purity:* 98+%

50 microgram 39-5062-41

C12 NBD-Sphingosine, beta-D-lactosyl

Documentation: Not included *Purity:* 98+%

50 microgram 39-5063-41

Gangliosides & Related Derivatives

Gangliosides, sialic acid containing glycosphingolipids, are components of vertebrate cell membranes, where they are present as a large number of structures differing in the oligosaccharide and lipid moieties. Gangliosides show a strong amphiphilic character and interact with other lipid membrane components while the hydrophilic oligosaccharide chain interacts with soluble extracellular molecules and with the hydrophilic portion of other membrane components.

Gangliosides appear to play an important role in the modulation of cell functionality, acting as receptors for toxins and participating in the biotransductions of membrane mediated information.

Purified Mixed Gangliosides - (free of cholesterol, phospholipids, cerebrosides)

Documentation: Not included *Purity:* 98+%

25 mg 56-1202-7

Monosialoganglioside GM1(bovine)

Mw: 1569 *Documentation:* Data sheet *Purity:* 98+%

1 mg 56-1101-1

5 mg 56-1101-4

Monosialoganglioside GM2 (bovine)

Mw: 1407 *Documentation:* Data sheet *Purity:* 98+%

1 mg 56-1200-1

Monosialoganglioside GM3 (bovine)

Mw: 1206 *Documentation:* Data sheet *Purity:* 98+%

1 mg 56-1107-1

Monosialoganglioside GM4 (bovine)

Documentation: Data sheet *Purity:* 98+%

1 mg 56-1118-1

Gangliotetraosyl Ceramide Gg4, asialo GM1

Mw: 1255 *Documentation:* Data sheet *Purity:* 98+%

1 mg 56-1102-1 0

Gangliotriosyl Ceramide Gg3, asialo GM2

Mw: 1094 *Documentation:* Data sheet *Purity:* 98+%

0,1 mg 56-1110-32

0,5 mg 56-1110-35

Disialoganglioside GD1a

Mw: 1882 *Documentation:* Data sheet *Purity:* 98+%

5 mg 56-1103-4

Disialoganglioside GD1b

Mw: 1882 Documentation: Data sheet Purity: 98+%

1 mg 56-1104-1

Disialoganglioside GD2 (bovine)

Documentation: Data sheet Purity: 98+%

1 mg 56-1115-1

Disialoganglioside GD3

Mw: 1471 Documentation: Data sheet Purity: 98+%

1 mg 56-1201-1

Trisialoganglioside GT1b

Mw: 2195 Documentation: Data sheet Purity: 98+%

1 mg 56-1105-1

5 mg 56-1105-4

Trisialoganglioside GT1a (bovine)

Documentation: Data sheet Purity: 98+%

1 mg 56-1117-10

Tetrasialoganglioside GQ1b

Mw: 2509 Documentation: Data sheet Purity: 98+%

0,1 mg 56-1108-32

1 mg 56-1108-1

lyso-Monosialoganglioside GM1 (lacks fatty acid chain)

Documentation: Data sheet Purity: 98+%

0,5 mg 56-1111-35

Sialic Acid & Derivatives

N-Acetyl-Neuraminic Acid (Sialic Acid)

Mw: 309 Documentation: Not included Purity: 98+%

100 mg 56-1150-9

1 g 56-1150-13

N-Acetyl-Neuraminic Acid Methyl Ester

Mw: 323 Documentation: Not included Purity: 98+%

100 mg 56-1151-9

1 g 56-1151-13

D-myo-Phosphatidylinositol Phosphates

Phosphatidylinositol-3,4,5-triphosphate (Na salt)

D-myo-Phosphatidyl inositol, D(+)-sn (Na or NH₄ salt)

Phosphoinositide phosphates (PtdInsPn) are used in cell signalling research in areas including signal transduction, cytoskeletal remodelling, endo- and exocytosis, protein trafficking, oncogene function and cell adhesion.

Other D-myo-Phosphatidylinositols available on request.

Phosphatidylinositol, 1,2-dipalmitoyl

Documentation: Data sheet Purity: 95+%

0,1 mg 59-1112-32

1 mg 59-1112-1

Phosphatidylinositol 3-phosphate, 1,2-dipalmitoyl

Documentation: Data sheet Purity: 95+%

0,1 mg 59-1100-32

1 mg 59-1100-1

Phosphatidylinositol 4-phosphate, 1,2-dipalmitoyl

Documentation: Data sheet Purity: 95+%

0,1 mg 59-1118-32

1 mg 59-1118-1

Phosphatidylinositol 5-phosphate, 1,2-dipalmitoyl

Documentation: Data sheet Purity: 95+%

0,1 mg 59-1122-32

1 mg 59-1122-1

Phosphatidylinositol bis-3,4-phosphate, 1,2-dipalmitoyl

Documentation: Data sheet Purity: 95+%

0,1 mg 59-1101-32

1 mg 59-1101-1

Phosphatidylinositol bis-4,5-phosphate, 1,2-dioctanoyl

Documentation: Data sheet Purity: 95+%

0,1 mg 59-1124-32

1 mg 59-1124-1

Phosphatidylinositol bis-4,5-phosphate, 1,2-dipalmitoyl

Documentation: Data sheet Purity: 95+%

0,1 mg 59-1125-32

1 mg 59-1125-1

Phosphatidylinositol tris-3,4,5-phosphate, 1,2-dioctanoyl

Documentation: Data sheet Purity: 95+%

0,1 mg 59-1130-32

1 mg 59-1130-1

Phosphatidylinositol tris-3,4,5-phosphate, 1,2-dipalmitoyl

Documentation: Data sheet Purity: 95+%

0,1 mg 59-1102-32

1 mg 59-1102-1

Phosphatidylinositol-bis-4,5-phosphate (plant, sodium salt)

Documentation: Data sheet

1 mg 59-1103-1

5 mg 59-1103-4

Plant Leaf Lipids

Monogalactosyl Diglyceride

Mw: 778 *Documentation:* Not included *Purity:* 98+%

10 mg 59-1200-5

50 mg 59-1200-8

Digalactosyl Diglyceride

Mw: 940 *Documentation:* Not included *Purity:* 98+%

10 mg 59-1210-5

50 mg 59-1210-8

Phosphatidyl Glycerol

Documentation: Not included *Purity:* 98+%

5 mg 59-1220-4

25 mg 59-1220-7

Sulphoquinovosyl Diglyceride

Documentation: Not included *Purity:* 98+%

5 mg 59-1230-4

25 mg 59-1230-7

Plant Sterols, Steryl Glucosides

Ergosterol, 95%

Mw: 397 *Documentation:* Not included

100 mg 60-1000-9

Stigmasterol, 98+%

Mw: 413 *Documentation:* Not included

100 mg 60-1002-9

Plant Sterol Mixture

Documentation: Not included

(b-sitosterol 53%, stigmasterol 7%, campesterol 26%, brassicasterol 13%)
(25 mg/ml, chloroform)

25 mg 60-1003-7

Brassicasterol, 95+% (solution in methylene chloride)

Mw: 399 *Documentation:* Not included

1 mg 60-1004-1

Steryl Glucoside, 98+% (soybean)

Documentation: Not included

5 mg 60-1020-4

Esterified Steryl Glucoside, 98+% (soybean)

Documentation: Not included

2 mg 60-1021-2

Polyprenols / Polyprenylmonophosphates

POLYPRENOL DOLICHOL

Molecular structures

Polyprenols - with respect to the structure are classified into three groups: *di-trans*-poly-*cis* (ω -t2-cn-3-OH), *tritrans*-poly-*cis* (ω -t3-cn-4-OH) and *all-trans* (ω -tn-1-OH) alcohols with an ω -residue in *cis/trans* configuration and α -*cis* terminal residue.

Dolichols - have *di-trans*-poly-*cis*-saturated (ω -t2-cn-4-s-OH) structure with an ω -residue in *cis/trans* configuration and α -saturated terminal residue.

Polyprenols, Dolichols, Oligoprenols & Phosphates

Polyisoprenoid alcohols constitute a group of hydrophobic polymers commonly occurring in nature. They consist of from less than 10 up to more than 100 isoprene residues linked head-to-tail, having an hydroxy group at one end (α -residue) and a hydrocarbon ω -end. Hydrogenation of the double bond in the α -residue generates dolichols (syn. dihydropolyprenols) in contrast to α -unsaturated polyprenols (syn. dehydrololichols). The geometric isomery of the double bonds within the polyisoprenoid alcohol molecule is strictly controlled - three subgroups are commonly found in nature: (i) *di-trans*-poly-*cis*, (ii) *tri-trans*-poly-*cis* and (iii) *all-trans*.

Biological roles – examples

Phosphorylated polyisoprenoid alcohols play a biological role as cofactors in the biosynthesis of glycoproteins and bacterial peptidoglycan. Protein glycosylation in plant systems has also been studied demonstrating that dolichyl rather than polyprenyl phosphate is thought to serve as a lipid carrier.

Polyprenyl and/or dolichyl phosphates are postulated to serve as donors of isoprenoid groups during protein prenylation in rat liver, spinach and *Arabidopsis*. In the latter case polyisoprenylated proteins were highly enriched in the light vesicle fraction of the cells.

Dolichyl phosphate has been found to induce apoptosis in human leukemia cells and changes in mitochondria were shown to initiate this process.

In bacterial cells it has been shown that undecaprenyl diphosphate linked to the complex structure of peptidoglycan building blocks (Lipid II) is the intrinsic component of the pore formed by the antibiotic nisin thus modulating its antimicrobial efficacy.

Polyisoprenoid alcohols and their phosphates are known to modulate the properties of lipid membranes (they increase the fluidity and permeability, promote formation of reversed micelles) as proved in model membranes.

Literature reference

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Our prenologues are isolated from plant species and purified to show one single spot on TLC (95+%).

Hexaprenol

Mw: 426,7 *Documentation*: Data sheet *Purity*: 95%

Betula verrucosa

60-1030-0

Hexaprenyl-MPDA

Mw: 540,8 *Documentation*: Data sheet *Purity*: 95%

62-1030-0

Heptaprenol

Mw: 494,9 *Documentation*: Data sheet *Purity*: 95%

Betula verrucosa

5 mg 60-1035-4

10 mg 60-1035-5

Heptaprenyl-MPDA

Mw: 608,9 *Documentation*: Data sheet *Purity*: 95%

2 mg 62-1035-2

5 mg 62-1035-4

Octaprenol

Mw: 563,0 Documentation: Data sheet Purity: 95%

Betula verrucosa

5 mg 60-1040-4 1

10 mg 60-1040-5

Octaprenyl-MPDA

Mw: 677,0 Documentation: Data sheet Purity: 95%

2 mg 62-1040-2

5 mg 62-1040-4

Decaprenol

Mw: 699,2 Documentation: Data sheet Purity: 95%

Tilia cordata

5 mg 60-1050-4

10 mg 60-1050-5

Decaprenyl-MPDA

Mw: 813,3 Documentation: Data sheet Purity: 95%

2 mg 62-1050-2

5 mg 62-1050-4

Undecaprenol

Mw: 767,3 Documentation: Data sheet Purity: 95%

Laurus nobilis

5 mg 60-1055-4

10 mg 60-1055-5

Undecaprenyl-MPDA

Mw: 881,4 Documentation: Data sheet Purity: 95%

2 mg 62-1055-2

5 mg 62-1055-4

Dodecaprenol

Mw: 835,4 Documentation: Data sheet Purity: 95%

Laurus nobilis

5 mg 60-1060-4

10 mg 60-1060-5

Dodecaprenyl-MPDA

Mw: 949,5 Documentation: Data sheet Purity: 95%

2 mg 62-1060-2

5 mg 62-1060-4

Tridecaprenol

Mw: 903,6 Documentation: Data sheet Purity: 95%

Abies alba

5 mg 60-1065-4

10 mg 60-1065-5

Tridecaprenyl-MPDA

Mw: 1017,6 Documentation: Data sheet Purity: 95%

2 mg 62-1065-2

5 mg 62-1065-4

Octadecaprenol

Mw: 1244,2 Documentation: Data sheet Purity: 95%

Sorbus suecica

60-1090-0

Octadecaprenyl-MPDA

Mw: 1358,2 Documentation: Data sheet Purity: 95%

62-1090-0

Nonadecaprenol

Mw: 1312,3 Documentation: Data sheet Purity: 95%

Sorbus suecica

60-1095-0

Nonadecaprenyl-MPDA

Mw: 1426,3 Documentation: Data sheet Purity: 95%

62-1095-0

Eicosaprenol

Mw: 10,4 Documentation: Data sheet Purity: 95%

Sorbus suecica

60-1100-0

Eicosaprenyl-MPDA

Mw: 1494,4 Documentation: Data sheet Purity: 95%

62-1100-0

Heneicosaprenol

Mw: 1448,5 Documentation: Data sheet Purity: 95%

Sorbus suecica

60-1105-0

Heneicosaprenyl-MPDA

Mw: 1562,6 Documentation: Data sheet Purity: 95%

62-1105-0

Dolichols & Dolichylphosphates

C90-Dolichol (Dolichol-18)

Documentation: Data sheet Purity: 95+%

1 mg 66-1090-1

2 mg 66-1090-2

5 mg 66-1090-4

C90-Dolichyl-MPDA

Documentation: Data sheet Purity: 95+%

1 mg 67-1090-1

2 mg 67-1090-2

5 mg 67-1090-4

C95-Dolichol (Dolichol-19)

Mw: 1314.3 Documentation: Data sheet Purity: 95+%

1 mg 66-1095-1

2 mg 66-1095-2

5 mg 66-1095-4

C95-Dolichyl-MPDA

Mw: 1428.3 Documentation: Data sheet Purity: 95+%

1 mg 67-1095-1

2 mg 67-1095-2

5 mg 67-1095-4

C100-Dolichol (Dolichol-20)

Mw: 12.4 Documentation: Data sheet Purity: 95+%

1 mg 66-1100-1

2 mg 66-1100-2

5 mg 66-1100-4

C100-Dolichyl-MPDA

Mw: 1496.5 Documentation: Data sheet Purity: 95+%

1 mg 67-1100-1

2 mg 67-1100-2 2

5 mg 67-1100-4

C105-Dolichol (Dolichol-21)

Documentation: Data sheet Purity: 95+%

1 mg 66-1105-1

2 mg 66-1105-2

5 mg 66-1105-4

C105-Dolichyl-MPDA

Documentation: Data sheet Purity: 95+%

1 mg 67-1105-1

2 mg 67-1105-2

5 mg 67-1105-4 4

C110-Dolichol (Dolichol-22)

Documentation: Data sheet Purity: 95+%

1 mg 66-1110-1

2 mg 66-1110-2

5 mg 66-1110-4

C110-Dolichyl-MPDA

Documentation: Data sheet Purity: 95+%

1 mg 67-1110-1

2 mg 67-1110-2 295

5 mg 67-1110-4 4

Oligoprenyl Phosphates

Oligoprenylphosphate, diammonium salt (DA), triammonium salt (TA)

All Oligoprenyl mono-and diphosphates listed below are in all-trans configuration

Isopentenyl Monophosphate-DA

Mw: 200,2 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1210-35

2 mg 68-1210-2

gamma,gamma-Dimethylallyl Monophosphate-DA

Mw: 200,2 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1310-35

2 mg 68-1310-2

Isopentenyl Diphosphate-TA

Mw: 297,2 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1220-35

2 mg 68-1220-2

gamma,gamma-Dimethylallyl Diphosphate-TA

Mw: 297,2 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1320-35

2 mg 68-1320-2

Geranyl Monophosphate-DA

Mw: 268,3 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1410-35

2 mg 68-1410-2

Farnesyl Monophosphate-DA

Mw: 336,4 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1510-35

2 mg 68-1510-2

Geranylgeranyl Monophosphate-DA

Mw: 404,5 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1610-35

2 mg 68-1610-2

Geranyl Diphosphate-TA

Mw: 365,3 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1420-35

2 mg 68-1420-2

Farnesyl Diphosphate-TA

Mw: 433,4 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1520-35

2 mg 68-1520-2

Geranylgeranyl Diphosphate-TA

Mw: 501,6 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1620-35

2 mg 68-1620-2

Phytyl Monophosphate-DA

Mw: 410,6 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1710-35

2 mg 68-1710-2

Phytyl Diphosphate-TA

Mw: 507,6 Documentation: Data sheet Purity: 95+%

0,5 mg 68-1720-35

2 mg 68-1720-2

Bile Acids & Methyl Esters

Bile Acid/ Methyl Ester/Sodium salt. For D-and ¹³C-labelled Bile Acids-please inquire

Cholic Acid

Mw: 408,6 Documentation: TLC Purity: 98%

100 mg 65-1001-9

1 g 65-1001-13

Methyl Cholate

Mw: 422,6 Documentation: TLC Purity: 98%

100 mg 65-1002-9

1 g 65-1002-13

Deoxycholic Acid

Mw: 392,6 Documentation: TLC Purity: 98%

100 mg 65-1003-9

1 g 65-1003-13

Methyl Deoxycholate

Mw: 406,6 Documentation: TLC Purity: 98%

100 mg 65-1004-9

1 g 65-1004-13

Chenodeoxycholic Acid

Mw: 392,6 Documentation: TLC Purity: 98%

100 mg 65-1005-9

1 g 65-1005-13

Methyl Chenodeoxycholate

Mw: 406,6 Documentation: TLC Purity: 98%

100 mg 65-1006-9

Sodium Glycocholate

Mw: 487,6 Documentation: TLC Purity: 98%

100 mg 65-1008-9

1 g 65-1008-13 200

Sodium Glycodeoxycholate

Mw: 471,6 Documentation: TLC Purity: 98%

100 mg 65-1010-9

1 g 65-1010-13

Sodium Taurocholate

Mw: 537,7 Documentation: TLC Purity: 98%

100 mg 65-1012-9

1 g 65-1012-13

Sodium Taurodeoxycholate

Mw: 531,7 Documentation: TLC Purity: 98%

100 mg 65-1014-9

Aliphatic Hydrocarbons - Saturated

Hexane

No. of C: 6:0 Mw: 86.1 Documentation: Not included Purity: 99+%

100 mg 05-0600-9

1 g 05-0600-13

Heptane

No. of C: 7:0 Mw: 100,2 Documentation: Not included Purity: 99+%

100 mg 05-0700-9

1 g 05-0700-13

Octane

No. of C: 8:0 Mw: 114,2 Documentation: GC Purity: 99+%

100 mg 05-0800-9

1 g 05-0800-13

Nonane

No. of C: 9:0 Mw: 128,3 Documentation: GC Purity: 99+%

100 mg 05-0900-9

1 g 05-0900-13

Decane

No. of C: 10:0 Mw: 142,3 Documentation: GC Purity: 99+%

100 mg 05-1000-9

1 g 05-1000-13

Undecane

No. of C: 11:0 Mw: 156,3 Documentation: GC Purity: 99+%

100 mg 05-1100-9

1 g 05-1100-13

Dodecane

No. of C: 12:0 Mw: 170,3 Documentation: GC Purity: 99+%

100 mg 05-1200-9

1 g 05-1200-13

Tridecane

No. of C: 13:0 Mw: 184,4 Documentation: GC Purity: 99+%

100 mg 05-1300-9

1 g 05-1300-13

Tetradecane

No. of C: 14:0 Mw: 198,4 Documentation: GC Purity: 99+%

100 mg 05-1400-9

1 g 05-1400-13

Pentadecane

No. of C: 15:0 Mw: 212,4 Documentation: GC Purity: 99+%

100 mg 05-1500-9

1 g 05-1500-13

Hexadecane

No. of C: 16:0 Mw: 226,4 Documentation: GC Purity: 99+%

100 mg 05-1600-9

1 g 05-1600-13

Heptadecane

No. of C: 17:0 Mw: 240,5 Documentation: GC Purity: 99+%

100 mg 05-1700-9

1 g 05-1700-13

Octadecane

No. of C: 18:0 Mw: 4,5 Documentation: GC Purity: 99+%

100 mg 05-1800-9

1 g 05-1800-13

Nonadecane

No. of C: 19:0 Mw: 268,5 Documentation: GC Purity: 99+%

100 mg 05-1900-9

1 g 05-1900-13

Eicosane

No. of C: 20:0 Mw: 282,6 Documentation: GC Purity: 99+%

100 mg 05-2000-9

1 g 05-2000-13

Heneicosane

No. of C: 21:0 Mw: 296,6 Documentation: GC Purity: 99+%

100 mg 05-2100-9

1 g 05-2100-13

Docosane

No. of C: 22:0 Mw: 310,6 Documentation: GC Purity: 99+%

100 mg 05-2200-9

1 g 05-2200-13

Tricosane

No. of C: 23:0 Mw: 324,6 Documentation: GC Purity: 99+%

100 mg 05-2300-9

1 g 05-2300-13

Tetracosane

No. of C: 24:0 Mw: 3,7 Documentation: GC Purity: 99+%

100 mg 05-2400-9

1 g 05-2400-13

Pentacosane

No. of C: 25:0 Mw: 352,7 Documentation: GC Purity: 99+%

100 mg 05-2500-9

1 g 05-2500-13

Hexacosane

No. of C: 26:0 Mw: 366,7 Documentation: GC Purity: 99+%

100 mg 05-2600-9

1 g 05-2600-13

Heptacosane

No. of C: 27:0 Mw: 0,8 Documentation: GC Purity: 99+%

25 mg 05-2700-7

100 mg 05-2700-9

1 g 05-2700-13

Octacosane

No. of C: 28:0 Mw: 394,8 Documentation: GC Purity: 99+%

100 mg 05-2800-9

1 g 05-2800-13

Nonacosane

No. of C: 29:0 Mw: 408,8 Documentation: GC Purity: 99+%

25 mg 05-2900-7

100 mg 05-2900-9

1 g 05-2900-13

Triacosane

No. of C: 30:0 Mw: 422,8 Documentation: GC Purity: 99+%

100 mg 05-3000-9 32

1 g 05-3000-13

Hentriacontane

No. of C: 31:0 Mw: 436,9 Documentation: GC Purity: 98%

25 mg 05-3100-7

100 mg 05-3100-9

1 g 05-3100-13

Dotriacontane

No. of C: 32:0 Mw: 450,9 Documentation: GC Purity: 99+%

100 mg 05-3200-9

1 g 05-3200-13

Tritriacontane

No. of C: 33:0 Mw: 464,9 Documentation: GC Purity: 96%

25 mg 05-3300-7

100 mg 05-3300-9

1 g 05-3300-13

Tetatriacontane

No. of C: 34:0 Mw: 479 Documentation: GC Purity: 99+%

100 mg 05-3400-9

1 g 05-3400-13

Pentatriacontane

No. of C: 35:0 Mw: 493 Documentation: GC Purity: 96%

25 mg 05-3500-7

100 mg 05-3500-9

1 g 05-3500-13

Hexatriacontane

No. of C: 36:0 Mw: 507 Documentation: GC Purity: 99+%

100 mg 05-3600-9

1 g 05-3600-13

Octatriacontane

No. of C: :0 Mw: 535,1 Documentation: GC Purity: 97+%

25 mg 05-00-7

100 mg 05-00-9

1 g 05-00-13

Tetracontane

No. of C: 40:0 Mw: 563,2 Documentation: GC Purity: 98+%

25 mg 05-4000-7

100 mg 05-4000-9

1 g 05-4000-13

Tetratetracontane

No. of C: 44:0 Mw: 619,3 Documentation: Not included Purity: 97%

25 mg 05-4400-7

100 mg 05-4400-9

Pentacontane

No. of C: 50:0 Mw:3,5 Documentation: Not included Purity: 99+%

25 mg 05-5000-7

100 mg 05-5000-9

Isoprenoid Hydrocarbons

Pristane (2,6,10,14-tetramethylpentadecane)

Documentation: GC Purity: 98%

100 mg 05-1504-9 20

500 mg 05-1504-12 40

1 g 05-1504-13 65

Phytane (2,6,10,14-tetramethylhexadecane)

Documentation: GC Purity: 98%

05-1604-0

Larodan Kits

Fatty Acid & Fatty Acid Methyl Ester Kits

FA Kit 10

Order no. 50-1010

Fatty Acids C4:0-C26:0

23 x 100mg

Kit components:

- 100 mg Butyric Acid
- 100 mg Pentanoic Acid
- 100 mg Hexanoic Acid (Caproic Acid)
- 100 mg Heptanoic Acid
- 100 mg Octanoic Acid (Caprylic Acid)
- 100 mg Nonanoic Acid (Pelargonic Acid)
- 100 mg Decanoic Acid (Capric Acid)
- 100 mg Undecanoic Acid
- 100 mg Dodecanoic Acid (Lauric Acid)
- 100 mg Tridecanoic Acid
- 100 mg Tetradecanoic Acid (Myristic Acid)
- 100 mg Pentadecanoic Acid
- 100 mg Hexadecanoic Acid (Palmitic Acid)
- 100 mg Heptadecanoic Acid (Margaric Acid)
- 100 mg Octadecanoic Acid (Stearic Acid)
- 100 mg Nonadecanoic Acid
- 100 mg Eicosanoic Acid (Arachidic Acid)
- 100 mg Heneicosanoic Acid
- 100 mg Docosanoic Acid (Behenic Acid)
- 100 mg Tricosanoic Acid
- 100 mg Tetracosanoic Acid (Lignoceric Acid)
- 100 mg Pentacosanoic Acid
- 100 mg Hexacosanoic Acid (Cerotic Acid)

FA Kit 11

Order no. 50-1011

Fatty Acids even no C6:0-C22:0

9 x 1g

Kit components:

- 1 g Hexanoic Acid (Caproic Acid)
- 1 g Octanoic Acid (Caprylic Acid)
- 1 g Decanoic Acid (Capric Acid)
- 1 g Dodecanoic Acid (Lauric Acid)
- 1 g Tetradecanoic Acid (Myristic Acid)
- 1 g Hexadecanoic Acid (Palmitic Acid)
- 1 g Octadecanoic Acid (Stearic Acid)
- 1 g Eicosanoic Acid (Arachidic Acid)
- 1 g Docosanoic Acid (Behenic Acid)

FA Kit 12

Order no. 50-1012

Fatty Acids odd no C7:0-C23:0, 9 x 100mg

Kit components:

- 100 mg Heptanoic Acid
- 100 mg Nonanoic Acid (Pelargonic Acid)
- 100 mg Undecanoic Acid
- 100 mg Tridecanoic Acid
- 100 mg Pentadecanoic Acid
- 100 mg Heptadecanoic Acid (Margaric Acid)
- 100 mg Nonadecanoic Acid
- 100 mg Heneicosanoic Acid
- 100 mg Tricosanoic Acid

FA Kit 13

Order no. 50-1013

Fatty Acids, long chained C20:0-C26:0

7 x 100mg

Kit components:

- 100 mg Eicosanoic Acid (Arachidic Acid)
- 100 mg Heneicosanoic Acid
- 100 mg Docosanoic Acid (Behenic Acid)
- 100 mg Tricosanoic Acid
- 100 mg Tetracosanoic Acid (Lignoceric Acid)
- 100 mg Pentacosanoic Acid
- 100 mg Hexacosanoic Acid (Cerotic Acid)

FA Kit 14

Order no. 50-1014

Fatty Acids, unsat. C14:1-C24:1

9 x 100mg

Kit components:

- 100 mg Myristoleic Acid (9c)
- 100 mg Palmitoleic Acid (9c)
- 100 mg Oleic Acid (9c)
- 100 mg Linoleic Acid (9c, 12c)
- 100 mg Linolenic Acid (9c, 12c, 15c)
- 100 mg 11c-Eicosenoic Acid
- 100 mg Arachidonic Acid (5c,8c,11c,14c)

100 mg Erucic Acid (13c-Docosenoic Acid)

100 mg Nervonic Acid (15c)

FAME Kit 20

Order no. 50-1020

Methyl Esters C4:0-C26:0

23 x 100mg

Kit components:

100 mg Methyl Butyrate

100 mg Methyl Pentanoate

100 mg Methyl Hexanoate

100 mg Methyl Heptanoate

100 mg Methyl Octanoate

100 mg Methyl Nonanoate

100 mg Methyl Decanoate

100 mg Methyl Undecanoate

100 mg Methyl Dodecanoate

100 mg Methyl Tridecanoate

100 mg Methyl Tetradecanoate

100 mg Methyl Pentadecanoate

100 mg Methyl Hexadecanoate

100 mg Methyl Heptadecanoate

100 mg Methyl Octadecanoate

100 mg Methyl Nonadecanoate

100 mg Methyl Eicosanoate

100 mg Methyl Heneicosanoate

100 mg Methyl Docosanoate

100 mg Methyl Tricosanoate

100 mg Methyl Tetracosanoate

100 mg Methyl Pentacosanoate

100 mg Methyl Hexacosanoate

FAME Kit 21

Order no. 50-1021

Methyl Esters even no C6:0-C22:0

9 x 1g

Kit components:

1 g Methyl Hexanoate

1 g Methyl Octanoate

1 g Methyl Decanoate

1 g Methyl Dodecanoate
1 g Methyl Tetradecanoate
1 g Methyl Hexadecanoate
1 g Methyl Octadecanoate
1 g Methyl Eicosanoate
1 g Methyl Docosanoate

FAME Kit 22

Order no. 50-1022

Methyl Esters odd no C7:0-C23:0

9 x 100mg

Kit components:

100 mg Methyl Heptanoate
100 mg Methyl Nonanoate
100 mg Methyl Undecanoate
100 mg Methyl Tridecanoate
100 mg Methyl Pentadecanoate
100 mg Methyl Heptadecanoate
100 mg Methyl Nonadecanoate
100 mg Methyl Heneicosanoate
100 mg Methyl Tricosanoate

FAME Kit 23

Order no. 50-1023

Methyl Esters, long chained C20:0-C26:0

7 x 100mg

Kit components:

100 mg Methyl Eicosanoate
100 mg Methyl Heneicosanoate
100 mg Methyl Docosanoate
100 mg Methyl Tricosanoate
100 mg Methyl Tetracosanoate
100 mg Methyl Pentacosanoate
100 mg Methyl Hexacosanoate

FAME Kit 24

Order no. 50-1024

Methyl Esters, unsat. C14:1-C24:1

9 x 100mg

Kit components:

100 mg Methyl Myristoleate (9c)
100 mg Methyl Palmitoleate (9c)
100 mg Methyl Oleate (9c)
100 mg Methyl Linoleate (9c, 12c)
100 mg Methyl Linolenate (9c, 12c, 15c)
100 mg Methyl 11c-Eicosenoate
100 mg Methyl Arachidonate (5c, 8c, 11c, 14c)
100 mg Methyl Erucate (13c)
100 mg Methyl Nervonate (15c)

2-Hydroxy Fatty Acid & Fatty Acid Methyl Ester Kits

FA-2OH Kit 12

Order no. 50-1412

2- Hydroxy Fatty Acids C10:0-C22:0 even no

7 x 50mg

Kit components:

50mg 2-Hydroxydecanoic Acid
50 mg 2-Hydroxydodecanoic Acid
50 mg 2-Hydroxytetradecanoic Acid
50 mg 2-Hydroxyhexadecanoic Acid
50 mg 2-Hydroxyoctadecanoic Acid
50 mg 2-Hydroxyeicosanoic Acid
50 mg 2-Hydroxydocosanoic Acid

FAME-2OH Kit 22

Order no. 50-1422

Methyl Esters C10:0-C22:0 even no

7 x 50mg

Kit components:

50 mg Methyl 2-Hydroxydecanoate
50 mg Methyl 2-Hydroxydodecanoate
50 mg Methyl 2-Hydroxytetradecanoate
50 mg Methyl 2-Hydroxyhexadecanoate
50 mg Methyl 2-Hydroxyoctadecanoate
50 mg Methyl 2-Hydroxyeicosanoate
50 mg Methyl 2-Hydroxydocosanoate
3-Hydroxy Fatty Acid & Fatty Acid Methyl Ester Kits

FA-3OH Kit 13

Order no. 50-1413

3-Hydroxy Fatty Acids C8:0-C18:0 even no

6 x 50mg

Kit components:

50 mg 3-Hydroxyoctanoic Acid

50 mg 3-Hydroxydecanoic Acid

50 mg 3-Hydroxydodecanoic Acid

50 mg 3-Hydroxytetradecanoic Acid

50 mg 3-Hydroxyhexadecanoic Acid

50 mg 3-Hydroxyoctadecanoic Acid

FAME-3OH Kit 23

Order no. 50-1423

Methyl Esters C8:0-C18:0 even no

6 x 50mg

Kit components:

50 mg Methyl 3-Hydroxyoctanoate

50 mg Methyl 3-Hydroxydecanoate

50 mg Methyl 3-Hydroxydodecanoate

50 mg Methyl 3-Hydroxytetradecanoate

50 mg Methyl 3-Hydroxyhexadecanoate

50 mg Methyl 3-Hydroxyoctadecanoate

Aliphatic Hydrocarbons Kits

HC Kit 1

Order no. 50-1001

n-Alkanes C8-C19

12 x 1g

Kit components:

1 g Octane

1 g Nonane

1 g Decane

1 g Undecane

1 g Dodecane

1 g Tridecane

1 g Tetradecane

1 g Pentadecane

1 g Hexadecane

1 g Heptadecane

1 g Octadecane

1 g Nonadecane

HC Kit 2

Order no. 50-1002

n-Alkanes C20-C

12 x 100mg

Kit components:

100 mg Eicosane

100 mg Heneicosane

100 mg Docosane

100 mg Tricosane

100 mg Tetracosane

100 mg Hexacosane

100 mg Octacosane

100 mg Triacontane

100 mg Dotriacontane

100 mg Tetratriacontane

100 mg Hexatriacontane

100 mg Octatriacontane

Triglyceride Kits

Glyc Kit 32

Order no. 50-1032

Triglycerides C6:0-C20:0

10 x 100mg

Kit components:

100 mg Tricaproin (Trihexanoin)

100 mg Tricaprylin (Trioctanoin)

100 mg Tricaprin (Tridecanoin)

100 mg Trilaurin (Tridodecanoin)

100 mg Trimyristin (Tritetradecanoin)

100 mg Tripalmitin (Trihexadecanoin)

100 mg Tristearin (Trioctadecanoin)

100 mg Triolein (9c)

100 mg Trilinolein (9c, 12c)

100 mg Triarachidin (Trieicosanoin)

Phosphoglycerides – Phospholipids Kits

Phosphoglycerides Kit

Order no. 37-5000

9 single items

Kit components:

10 mg PS (brain, bovine)

10 mg PC (egg)

10 mg PE (egg)

3 mg PI (wheat germ (Na salt))

10 mg PA (egg PC)

10 mg Cerebrosides

10 mg LPC (egg) (neat)

10 mg Sphingomyelin

10 mg Sulfatides (bovine)-diagnostic grade (BSE tested)

Natural Phospholipids Kit

Order no. 37-0000

10 x 5 mg

Kit components:

5 mg Cardiolipin (CL), ammonium salt (bovine)

5 mg PS (brain, bovine)

5 mg Cerebrosides

5 mg Ceramide (saturated, unsaturated and a-OH fatty acids)

5 mg LPC (liver, bovine or porcine)

5 mg PI (liver, porcine)

5 mg PC (liver, bovine or porcine)

5 mg PA (egg PC)

Plant Sterols Kit

Order no. 60-1200

10 items as follows

Kit components:

5 mg Coprostanol

2 mg Esterified Steryl Glucoside, 98+% (soybean)

25 mg Ergosterol, 95%

100 mg Lanosterol 55%

25 mg Stigmasterol, 98+%
25 mg Plant Sterol Mixture
100 mg beta-Sitosterol 55%
100 mg Cholestanol
5 mg Steryl Glucoside, 98+% (soybean)
2 mg Desmosterol 90%

Larodan Reference Mixtures

Glycosphingolipid Mixtures for TLC

Purity: (components) 98+%.

TLC Mix 51

Equal weight %

Order no. 90-3051

25 mg /ml in Chloroform-Methanol 2:1 1 ml

Mixture components:

Cerebrosides

Sphingomyelin

Sulfatides (bovine)-diagnostic grade (BSE tested)

TLC Mix 53

Equal weight %

Order no. 89-3053

1 mg /ml in Chloroform-Methanol 2:1 1 ml

Mixture components:

Ceramide Trihexosides (CTH, Gb3)

Cerebrosides

Globosides (GL4, Gb4, globotetraosyl ceramide)

Lactosyl Ceramides Bovine (butter milk)

Fatty Acid Methyl Esters - FAME Mixtures

Purity(components): 99+%

Documentation: GC

Mixture Me 10

GC not included

Order no. 90-1010

Equal weight % Delivered neat 100 mg

Mixture components:

C 2:0 Methyl Acetate
C 3:0 Methyl Propionate
C 4:0 Methyl Butyrate
C 5:0 Methyl Pentanoate
C 6:0 Methyl Hexanoate

Mixture Me 11

Equal weight %

Order no. 90-1011

Delivered neat 100 mg

Mixture components:

C 6:0 Methyl Hexanoate
C 7:0 Methyl Heptanoate
C 8:0 Methyl Octanoate
C 9:0 Methyl Nonanoate
C 10:0 Methyl Decanoate

Mixture Me 12

Equal weight %

Order no. 90-1012

Delivered neat 100 mg

Mixture components:

C 11:0 Methyl Undecanoate
C 12:0 Methyl Dodecanoate
C 13:0 Methyl Tridecanoate
C 14:0 Methyl Tetradecanoate
C 15:0 Methyl Pentadecanoate

Mixture Me 13

Equal weight %

Order no. 90-1013

Delivered in solution 100 mg

Mixture components:

C 16:0 Methyl Hexadecanoate
C 17:0 Methyl Heptadecanoate
C 18:0 Methyl Octadecanoate
C 19:0 Methyl Nonadecanoate
C 20:0 Methyl Eicosanoate

Mixture Me 14

Equal weight %

Order no. 90-1014

Delivered in solution 100 mg

Mixture components:

C 18:0 Methyl Octadecanoate

C 19:0 Methyl Nonadecanoate

C 20:0 Methyl Eicosanoate

C 21:0 Methyl Heneicosanoate

C 22:0 Methyl Docosanoate

Mixture Me 15

Equal weight %

Order no. 90-1015

Delivered neat 100 mg

Mixture components:

C 8:0 Methyl Octanoate

C 9:0 Methyl Nonanoate

C 10:0 Methyl Decanoate

C 11:0 Methyl Undecanoate

C 12:0 Methyl Dodecanoate

Mixture Me 16

Equal weight %

Order no. 90-1016

Delivered neat 100 mg

Mixture components:

C 13:0 Methyl Tridecanoate

C 14:0 Methyl Tetradecanoate

C 15:0 Methyl Pentadecanoate

C 16:0 Methyl Hexadecanoate

C 17:0 Methyl Heptadecanoate

Mixture Me 17

Equal weight %

Order no. 90-1017

Delivered in solution 100 mg

Mixture components:

C 20:0 Methyl Eicosanoate

C 21:0 Methyl Heneicosanoate

C 22:0 Methyl Docosanoate
C 23:0 Methyl Tricosanoate
C 24:0 Methyl Tetracosanoate

Mixture Me 18

Equal weight %

Order no. 90-1018

Delivered neat 100 mg

Mixture components:

C 15:0 Methyl Pentadecanoate
C 16:0 Methyl Hexadecanoate
C 17:0 Methyl Heptadecanoate
C 18:0 Methyl Octadecanoate
C 19:0 Methyl Nonadecanoate

Mixture Me 20

Equal weight %

Order no. 90-1020

Delivered neat 100 mg

Mixture components:

C 6:0 Methyl Hexanoate
C 8:0 Methyl Octanoate
C 10:0 Methyl Decanoate
C 12:0 Methyl Dodecanoate
C 14:0 Methyl Tetradecanoate

Mixture Me 21

Equal weight %

Order no. 90-1021

Delivered neat 100 mg

Mixture components:

C 8:0 Methyl Octanoate
C 10:0 Methyl Decanoate
C 12:0 Methyl Dodecanoate
C 14:0 Methyl Tetradecanoate
C 16:0 Methyl Hexadecanoate

Mixture Me 23

Equal weight %

Order no. 90-1023

Delivered in solution 100 mg

Mixture components:

C 16:0 Methyl Hexadecanoate

C 18:0 Methyl Octadecanoate

C 20:0 Methyl Eicosanoate

C 22:0 Methyl Docosanoate

C 24:0 Methyl Tetracosanoate

Mixture Me 24

Equal weight %

Order no. 90-1024

Delivered neat 100 mg

Mixture components:

C 12:0 Methyl Dodecanoate

C 14:0 Methyl Tetradecanoate

C 16:0 Methyl Hexadecanoate

C 18:0 Methyl Octadecanoate

C 20:0 Methyl Eicosanoate

Mixture Me 26

Equal weight %

Order no. 90-1026

Delivered neat 100 mg

Mixture components:

C 13:0 Methyl Tridecanoate

C 15:0 Methyl Pentadecanoate

C 17:0 Methyl Heptadecanoate

C 19:0 Methyl Nonadecanoate

C 21:0 Methyl Heneicosanoate

Mixture Me 30

Equal weight %

Order no. 90-1030

Delivered neat 100 mg

Mixture components:

C 12:0 Methyl Dodecanoate

C 14:0 Methyl Tetradecanoate

C 14:1 Methyl Myristoleate (9c)

C 16:0 Methyl Hexadecanoate

C 16:1 Methyl Palmitoleate (9c)

Mixture Me 32

Equal weight %

Order no. 90-1032

Delivered neat 100 mg

Mixture components:

C 16:0 Methyl Hexadecanoate

C 18:0 Methyl Octadecanoate

C 18:1 Methyl Oleate (9c)

C 18:2 Methyl Linoleate (9c, 12c)

C 18:3 Methyl Linolenate (9c, 12c, 15c)

Mixture Me 33

Equal weight %

Order no. 90-1033

Delivered neat 100 mg

Mixture components:

C 16:1 Methyl Palmitoleate (9c)

C 18:1 Methyl Oleate (9c)

C 20:1 Methyl 11c-Eicosenoate

C 22:1 Methyl Erucate (13c)

C 24:1 Methyl Nervonate (15c)

Mixture Me 34

Equal weight %

Order no. 90-1034

Delivered neat 100 mg

Mixture components:

C 18:0 Methyl Octadecanoate

C 18:1 Methyl Oleate (9c)

C 18:2 Methyl Linoleate (9c, 12c)

C 18:3 Methyl Linolenate (9c, 12c, 15c)

C 20:4 Methyl Arachidonate (5c, 8c, 11c, 14c)

Mixture Me 36

Equal weight %

Order no. 90-1036

Delivered neat 100 mg

Mixture components:

C 20:0 Methyl Eicosanoate

C 20:1 Methyl 11c-Eicosenoate
 C 20:2 Methyl 11c,14c- Eicosadienoate
 C 20:3 Methyl Eicosatrienoate (11c, 14c, 17c)
 C 20:4 Methyl Arachidonate (5c, 8c, 11c, 14c)

Mixture Me 60

Weight %

Order no. 90-1060Delivered neat/ *Mixture components:* 100 mg

C 4:0 Methyl Butyrate	4%
C 6:0 Methyl Hexanoate	3%
C 8:0 Methyl Octanoate	2%
C 10:0 Methyl Decanoate	3%
C 12:0 Methyl Dodecanoate	3%
C 14:0 Methyl Tetradecanoate	12%
C 16:0 Methyl Hexadecanoate	30%
C 18:0 Methyl Octadecanoate	10%
C 18:1 Methyl Oleate (9c)	30%
C 18:2 Methyl Linoleate (9c, 12c)	2%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	1%

Mixture Me 61

Weight %

Order no. 90-1061Delivered neat/ *Mixture components:* 100 mg

C 4:0 Methyl Butyrate	4%
C 6:0 Methyl Hexanoate	2%
C 8:0 Methyl Octanoate	1%
C 10:0 Methyl Decanoate	3%
C 12:0 Methyl Dodecanoate	4%
C 14:0 Methyl Tetradecanoate	10%
C 14:1 Methyl Myristoleate (9c)	2%
C 16:0 Methyl Hexadecanoate	25%
C 16:1 Methyl Palmitoleate (9c)	5%
C 18:0 Methyl Octadecanoate	10%
C 18:1 Methyl Oleate (9c)	25%
C 18:2 Methyl Linoleate (9c, 12c)	3%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	4%
C 20:0 Methyl Eicosanoate	2%

Mixture Me 62

Weight %

Order no. 90-1062

Delivered neat 100 mg

Mixture components:

C 4:0 Methyl Butyrate	7,7%
C 6:0 Methyl Hexanoate	7,7%
C 8:0 Methyl Octanoate	7,7%
C 10:0 Methyl Decanoate	7,7%
C 12:0 Methyl Dodecanoate	7,7%
C 14:0 Methyl Tetradecanoate	7,7%
C 16:0 Methyl Hexadecanoate	7,7%
C 18:0 Methyl Octadecanoate	7,7%
C 18:1 Methyl Oleate (9c)	7,7%
C 18:2 Methyl Linoleate (9c, 12c)	7,7%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	7,7%
C 20:0 Methyl Eicosanoate	7,7%
C 22:0 Methyl Docosanoate	7,7%

Mixture Me 63

Weight %

Order no. 90-1063

Delivered neat 100 mg

Mixture components:

C 8:0 Methyl Octanoate	2%
C 10:0 Methyl Decanoate	3%
C 12:0 Methyl Dodecanoate	4%
C 14:0 Methyl Tetradecanoate	8%
C 16:0 Methyl Hexadecanoate	10%
C 18:0 Methyl Octadecanoate	7%
C 18:1 Methyl Oleate (9c)	8%
C 18:2 Methyl Linoleate (9c, 12c)	8%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	10%
C 20:0 Methyl Eicosanoate	8%
C 22:0 Methyl Docosanoate	10%
C 22:1 Methyl Erucate (13c)	10%
C 24:0 Methyl Tetracosanoate	12%

Mixture Me 64

Weight %

Order no. 90-1064

Delivered neat 100 mg

Mixture components:

C 12:0 Methyl Dodecanoate	2%
C 14:0 Methyl Tetradecanoate	2%
C 14:1 Methyl Myristoleate (9c)	1%
C 16:0 Methyl Hexadecanoate	22%
C 16:1 Methyl Palmitoleate (9c)	5%
C 17:0 Methyl Heptadecanoate	10%
C 18:0 Methyl Octadecanoate	10%
C 18:1 Methyl Oleate (9c)	32%
C 18:2 Methyl Linoleate (9c, 12c)	8%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	4%
C 20:4 Methyl Arachidonate (5c, 8c, 11c, 14c)	4%

Mixture Me 71**Order no. 90-1071**

Delivered neat 100 mg

Weight %

Mixture components:

C 16:0 Methyl Hexadecanoate	10%
C 18:0 Methyl Octadecanoate	5%
C 18:1 Methyl Oleate (9c)	30%
C 18:2 Methyl Linoleate (9c, 12c)	50%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	5%

Mixture Me 76**Order no. 90-1076**

Delivered neat 100 mg

Weight %

Mixture components:

C 16:0 Methyl Hexadecanoate	4%
C 18:0 Methyl Octadecanoate	1%
C 18:1 Methyl Oleate (9c)	58%
C 18:2 Methyl Linoleate (9c, 12c)	20%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	10%
C 20:0 Methyl Eicosanoate	1%
C 20:1 Methyl 11c-Eicosenoate	2%
C 22:0 Methyl Docosanoate	1%
C 22:1 Methyl Erucate (13c)	2%
C 24:0 Methyl Tetracosanoate	1%

Mixture Me 77**Order no.** 90-1077

Weight %

Delivered neat 100 mg

Mixture components:

C 16:0 Methyl Hexadecanoate	6%
C 18:0 Methyl Octadecanoate	4%
C 18:1 Methyl Oleate (9c)	20%
C 18:2 Methyl Linoleate (9c, 12c)	68%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	0,2%
C 20:0 Methyl Eicosanoate	0,4%
C 20:1 Methyl 11c-Eicosenoate	0,2%
C 22:0 Methyl Docosanoate	0,9%
C 24:0 Methyl Tetracosanoate	0,3%

Mixture Me 81**Order no.** 90-1081

Weight %

Delivered neat/ *Mixture components:* 100 mg

C 14:0 Methyl Tetradecanoate	5%
C 16:0 Methyl Hexadecanoate	10%
C 16:1 Methyl Palmitoleate (9c)	5%
C 18:0 Methyl Octadecanoate	6%
C 18:1 Methyl Oleate (9c)	25%
C 18:2 Methyl Linoleate (9c, 12c)	15%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	17%
C 20:1 Methyl 11c-Eicosenoate	7%
C 20:4 Methyl Arachidonate (5c, 8c, 11c, 14c)	5%
C 22:6 Methyl Docosahexaenoate (4c, 7c, 10c, 13c, 16c, 19c)	5%

Mixture Me 82**Order no.** 90-1082

Weight %

Delivered neat 100 mg

Mixture components:

C 6:0 Methyl Hexanoate	1%
C 8:0 Methyl Octanoate	1%
C 10:0 Methyl Decanoate	1%
C 12:0 Methyl Dodecanoate	8%
C 14:0 Methyl Tetradecanoate	6%
C 14:1 Methyl Myristoleate (9c)	0,5%
C 15:0 Methyl Pentadecanoate	0,5%
C 15:1 Methyl 10c-Pentadecenoate	0,5%

C 16:0 Methyl Hexadecanoate	24%
C 16:1 Methyl Palmitoleate (9c)	2%
C 17:0 Methyl Heptadecanoate	1%
C 17:1 Methyl 10c-Heptadecenoate	0,5%
C 18:0 Methyl Octadecanoate	21%
C 18:1 Methyl Oleate (9c)	31%
C 18:2 Methyl Linoleate (9c, 12c)	1%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	0,5%
C 20:0 Methyl Eicosanoate	0,5%

Mixture ME 93**Order no.** 90-1093

Weight %

Delivered neat 100 mg

Mixture components:

C 14:1 Methyl Myristoleate (9c)	10%
C 14:1 Methyl Myristelaidate (9tr)	5%
C 15:1 Methyl 10c-Pentadecenoate	2%
C 16:1 Methyl Palmitelaidate (9tr)	9,8%
C 17:1 Methyl 10c-Heptadecenoate	5,2%
C 18:1 Methyl Petroselinoate (6c)	4,9%
C 18:1 Methyl Vaccenate (11c)	5,1%
C 18:1 Methyl Transvaccenate (11tr)	10%
C 18:2 Methyl Linoelaidate (9tr, 12tr)	5%
C 18:3 Methyl Gamma Linolenate (6c, 9c, 12c)	2%
C 19:0 Methyl Nonadecanoate	10%
C 20:1 Methyl 11tr-Eicosenoate	3%
C 22:1 Methyl Brassidate (13tr)	10%
C 24:0 Methyl Tetracosanoate	5%
C 26:0 Methyl Hexacosanoate	5%
C iso-C15:0 Methyl 13-methyltetradecanoate	3%
C iso-C17:0 Methyl 15-methylhexadecanoate	3%
C anteiso-C18:0 Methyl 15-methylheptadecanoate	2%

Mixture ME 94**Order no.** 90-1094

Weight %

Delivered neat 100 mg

Mixture components:

C 6:0 Methyl Hexanoate	1%
C 7:0 Methyl Heptanoate	0,5%
C 8:0 Methyl Octanoate	50%

C 9:0 Methyl Nonanoate	0,5%
C 10:0 Methyl Decanoate	44,5%
C 11:0 Methyl Undecanoate	0,5%
C 12:0 Methyl Dodecanoate	2%
C 14:0 Methyl Tetradecanoate	0,5%
C 16:0 Methyl Hexadecanoate	0,5%

Mixture ME 95

Equal weight %

Order no. 90-1095

Delivered neat 50 mg

Mixture components:

C 16:0 Methyl Hexadecanoate
C 18:0 Methyl Octadecanoate
C 18:2 Methyl Linoleate (9c, 12c)
C 20:4 Methyl Arachidonate (5c, 8c, 11c, 14c)
C 22:6 Methyl Docosahexaenoate (4c, 7c, 10c, 13c, 16c, 19c)

Mixture ME 96

Equal weight %

Order no. 90-1096

Delivered neat 50 mg

Mixture components:

C 16:1 Methyl Palmitoleate (9c)
C 17:0 Methyl Heptadecanoate
C 18:1 Methyl Oleate (9c)
C 20:5 Methyl Eicosapentaenoate (5c, 8c, 11c, 14c, 17c)
C 22:5 Methyl Docosapentaenoate (7c, 10c, 13c, 16c, 19c)

Mixture ME 97

Equal weight %

Order no. 90-1097

Delivered neat 50 mg

Mixture components:

C 18:1 Methyl Vaccenate (11c)
C 20:3 Methyl Eicosatrienoate (11c, 14c, 17c)
C 22:0 Methyl Docosanoate
C 22:5 Methyl Docosapentaenoate (4c,7c,10c,13c,16c)
C 24:1 Methyl Nervonate (15c)

Mixture Me 100**Order no. 90-1100**

Weight %

10 mg

Documentation: Gravimetric certificate (delivered in solution)

Mixture components:

C 4:0 Methyl Butyrate	4%
C 6:0 Methyl Hexanoate	4%
C 8:0 Methyl Octanoate	4%
C 10:0 Methyl Decanoate	4%
C 11:0 Methyl Undecanoate	2%
C 12:0 Methyl Dodecanoate	4%
C 13:0 Methyl Tridecanoate	2%
C 14:0 Methyl Tetradecanoate	4%
C 14:1 Methyl Myristoleate (9c)	2%
C 15:0 Methyl Pentadecanoate	2%
C 15:1 Methyl 10c-Pentadecenoate	2%
C 16:0 Methyl Hexadecanoate	6%
C 16:1 Methyl Palmitoleate (9c)	2%
C 17:0 Methyl Heptadecanoate	2%
C 17:1 Methyl 10c-Heptadecenoate	2%
C 18:0 Methyl Octadecanoate	4%
C 18:1 Methyl Oleate (9c)	4%
C 18:2 Methyl Linoleate (9c, 12c)	2%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	2%
C 18:1 Methyl Elaidate (9tr)	2%
C 18:2 Methyl Linoelaidate (9tr, 12tr)	2%
C 18:3 Methyl Gamma Linolenate (6c, 9c, 12c)	2%
C 20:0 Methyl Eicosanoate	4%
C 20:1 Methyl 11c-Eicosenoate	2%
C 20:2 Methyl 11c,14c- Eicosadienoate	2%
C 20:3 Methyl Eicosatrienoate (11c, 14c, 17c)	2%
C 20:4 Methyl Arachidonate (5c, 8c, 11c, 14c)	2%
C 20:5 Methyl Eicosapentaenoate (5c, 8c, 11c, 14c, 17c)	2%
C 20:3 Methyl 8c, 11c, 14c-Eicosatrienoate	2%
C 21:0 Methyl Heneicosanoate	2%
C 22:0 Methyl Docosanoate	4%
C 22:1 Methyl Erucate (13c)	2%
C 22:2 Methyl Docosadienoate (13c, 16c)	2%
C 22:6 Methyl Docosahexaenoate (4c, 7c, 10c, 13c, 16c, 19c)	2%
C 23:0 Methyl Tricosanoate	2%

C 24:0 Methyl Tetracosanoate	4%
C 24:1 Methyl Nervonate (15c)	2%

Branched Chain Fatty Acid Methyl Ester Mixtures

Purity(components): 98+%

Documentation: GC

Mixture BR 1

Order no. 90-1051

Weight %

Delivered neat 25 mg

Mixture components:

C 14:0 Methyl Tetradecanoate	15%
C 15:0 Methyl Pentadecanoate	22%
C 16:0 Methyl Hexadecanoate	29%
C iso-C14:0 Methyl 12-methyltridecanoate	8%
C anteiso-C15:0 Methyl 12-methyltetradecanoate	9%
C iso-C16:0 Methyl 14-methylpentadecanoate	8%
C anteiso-C17:0 Methyl 14-methylhexadecanoate	9%

Mixture BR 2

Equal weight %

Order no. 90-1052

Delivered neat 25 mg

Mixture components:

C 13:0	Methyl Tridecanoate
C 14:0	Methyl Tetradecanoate
C 15:0	Methyl Pentadecanoate
C 16:0	Methyl Hexadecanoate
C anteiso-C13:0	Methyl 10-methyldodecanoate
C iso-C14:0	Methyl 12-methyltridecanoate
C anteiso-C15:0	Methyl 12-methyltetradecanoate
C iso-C16:0	Methyl 14-methylpentadecanoate

Mixture BR 3

Equal weight %

Order no. 90-1053

Delivered neat 25 mg

Mixture components:

C 15:0	Methyl Pentadecanoate
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C 16:0	Methyl Hexadecanoate
C 17:0	Methyl Heptadecanoate
C 18:0	Methyl Octadecanoate
C anteiso-C15:0	Methyl 12-methyltetradecanoate
C iso-C16:0	Methyl 14-methylpentadecanoate
C anteiso-C17:0	Methyl 14-methylhexadecanoate
C iso-C18:0	Methyl 16-methylheptadecanoate

Mixture BR 4

Equal weight %

Order no. 90-1054

Delivered neat 25 mg

Mixture components:

C 17:0	Methyl Heptadecanoate
C 18:0	Methyl Octadecanoate
C 19:0	Methyl Nonadecanoate
C 20:0	Methyl Eicosanoate
C anteiso-C17:0	Methyl 14-methylhexadecanoate
C iso-C18:0	Methyl 16-methylheptadecanoate
C anteiso-C19:0	Methyl 16-methyloctadecanoate
C iso-C20:0	Methyl 18-methylnonadecanoate

Free Fatty Acid Mixtures

Interesting in food and microbiological areas

Purity(components): 99+%

Documentation: GC (methylated acids)

Mixture FA 20

Equal weight %

Order no. 90-1520

Delivered neat 100 mg

Mixture components:

C 6:0	Hexanoic Acid (Caproic Acid)
C 8:0	Octanoic Acid (Caprylic Acid)
C 12:0	Dodecanoic Acid (Lauric Acid)
C 14:0	Tetradecanoic Acid (Myristic Acid)

Mixture FA 61

Order no. 90-1561

Weight %

Delivered neat 100 mg

Mixture components:

C 4:0 Butyric Acid	4%
C 6:0 Hexanoic Acid (Caproic Acid)	2%
C 8:0 Octanoic Acid (Caprylic Acid)	1%
C 10:0 Decanoic Acid (Capric Acid)	3%
C 12:0 Dodecanoic Acid (Lauric Acid)	4%
C 14:0 Tetradecanoic Acid (Myristic Acid)	10%
C 14:1 Myristoleic Acid (9c)	2%
C 16:0 Hexadecanoic Acid (Palmitic Acid)	25%
C 16:1 Palmitoleic Acid (9c)	5%
C 18:0 Octadecanoic Acid (Stearic Acid)	10%
C 18:1 Oleic Acid (9c)	25%
C 18:2 Linoleic Acid (9c, 12c)	3%
C 18:3 Linolenic Acid (9c, 12c, 15c)	4%
C 20:0 Eicosanoic Acid (Arachidic Acid)	2%

OIL Mixtures

The Oil Mixtures are based on two ranges of FAME Mixtures imitating the fatty acid profiles of natural Fats & Oils:

The FO range (revised AOCS 's Tentative Method CE 1-62)

Natural Oil Mix range imitating specific Fats & Oils - see also our range of natural LAR Oils

The FO Mixtures are recommended for the following Fats & Oils:

90-1103 Mixture FO 3 Peanut, rape and mustardseed oils

90-1104 Mixture FO 4 Olive, teaseed and neatsfoot oils

90-1105 Mixture FO 5 Coconut, palm kernel, babassu and ouri-curi oils (laurics)

90-1107 Mixture FO 7 Rapeseed oil

Purity (components): 99+%

Documentation: GC

Mixture FO 3

Order no. 90-1103

Weight %

Delivered neat 100 mg

Mixture components:

C 14:0 Methyl Tetradecanoate	1%
C 16:0 Methyl Hexadecanoate	4%

C 18:0 Methyl Octadecanoate	3%
C 18:1 Methyl Oleate (9c)	45%
C 18:2 Methyl Linoleate (9c, 12c)	15%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	3%
C 20:0 Methyl Eicosanoate	3%
C 22:0 Methyl Docosanoate	3%
C 22:1 Methyl Erucate (13c)	20%
C 24:0 Methyl Tetracosanoate	3%

Mixture FO 4**Order no.** 90-1104

Weight %

Delivered neat 100 mg

Mixture components:

C 16:0 Methyl Hexadecanoate	11%
C 18:0 Methyl Octadecanoate	3%
C 18:1 Methyl Oleate (9c)	80%
C 18:2 Methyl Linoleate (9c, 12c)	6%

Mixture FO 5**Order no.** 90-1105

Weight %

Delivered neat 100 mg

Mixture components:

C 8:0 Methyl Octanoate	7%
C 10:0 Methyl Decanoate	5%
C 12:0 Methyl Dodecanoate	48%
C 14:0 Methyl Tetradecanoate	15%
C 16:0 Methyl Hexadecanoate	7%
C 18:0 Methyl Octadecanoate	3%
C 18:1 Methyl Oleate (9c)	12%
C 18:2 Methyl Linoleate (9c, 12c)	3%

Mixture FO 7**Order no.** 90-1107

Weight %

Delivered neat 100 mg

Mixture components:

C 14:0 Methyl Tetradecanoate	1%
C 16:0 Methyl Hexadecanoate	4%
C 18:0 Methyl Octadecanoate	3%
C 18:1 Methyl Oleate (9c)	60%
C 18:2 Methyl Linoleate (9c, 12c)	12%

C 18:3 Methyl Linolenate (9c, 12c, 15c)	5%
C 20:0 Methyl Eicosanoate	3%
C 20:1 Methyl 11c-Eicosenoate	1%
C 22:0 Methyl Docosanoate	3%
C 22:1 Methyl Erucate (13c)	5%
C 24:0 Methyl Tetracosanoate	3%

Mixture FO 7 modified**Order no.** 90-1108

Weight %

Delivered neat 100 mg

Mixture components:

C 14:0 Methyl Tetradecanoate	1%
C 16:0 Methyl Hexadecanoate	4%
C 18:0 Methyl Octadecanoate	3%
C 18:1 Methyl Oleate (9c)	60%
C 18:2 Methyl Linoleate (9c, 12c)	12%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	5%
C 20:0 Methyl Eicosanoate	3%
C 20:1 Methyl 11c-Eicosenoate	1%
C 22:0 Methyl Docosanoate	3%
C 22:1 Methyl Erucate (13c)	5%
C 24:1 Methyl Nervonate (15c)	3%

Mixture Rapeseed**Order no.** 90-5513

Weight %

Delivered neat 100 mg

Mixture components:

C 16:0 Methyl Hexadecanoate	4%
C 18:0 Methyl Octadecanoate	1%
C 18:1 Methyl Oleate (9c)	53,8%
C 18:2 Methyl Linoleate (9c, 12c)	20,2%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	10%
C 18:1 Methyl Vaccenate (11c)	4%
C 20:0 Methyl Eicosanoate	2%
C 20:1 Methyl 11c-Eicosenoate	1,9%
C 22:0 Methyl Docosanoate	1%
C 22:1 Methyl Erucate (13c)	2,1%

Glyceride Mixtures

Purity (components): 99%

Documentation: TLC / Gravimetric certificate

TG Mix 10

Equal weight %

Order no. 90-3010

Delivered neat 100 mg

Mixture components:

C 6:0 (Fatty acid) Tricaproin (Trihexanoin)

C 7:0 (Fatty acid) Triheptanoin

C 8:0 (Fatty acid) Tricaprylin (Trioctanoin)

C 9:0 (Fatty acid) Trinonanoin

C 10:0 (Fatty acid) Tricaprin (Tridecanoin)

TG Mix 11

Equal weight %

Order no. 90-3011

Delivered in solution 100 mg

Mixture components:

C 7:0 (Fatty acid) Triheptanoin

C 9:0 (Fatty acid) Trinonanoin

C 11:0 (Fatty acid) Triundecanoin

C 13:0 (Fatty acid) Tritridecanoin

C 15:0 (Fatty acid) Tripentadecanoin

Mixed Lipid Mixtures

Purity (components): 99%

Documentation: TLC

TLC Mix 32

Equal weight %

Order no. 90-3032

Delivered in solution 100 mg

Mixture components:

C 16:0 Hexadecanoic Acid (Palmitic Acid)

C 16:0 Methyl Hexadecanoate

C 16:0 (Fatty acid) Monopalmitin (Monohexadecanoin)

C 16:0 (Fatty acid) Dipalmitin (Dihexadecanoin)

C 16:0 (Fatty acid) Tripalmitin (Trihexadecanoin)

TLC Mix 34

Equal weight %

Order no. 90-3034

Delivered neat 100 mg

Mixture components:

C 18:1 Oleic Acid (9c)

C 18:1 Methyl Oleate (9c)

C 18:1 (Fatty acid) Monoolein

C 18:1 (Fatty acid) Diolein (9c)

C 18:1 (Fatty acid) Triolein (9c)

TLC Mix 40

Equal weight %

Order no. 90-3040

Delivered in solution 100 mg

Mixture components:

C 18:1 Oleic Acid (9c)

C 18:1 (Fatty acid) Triolein (9c)

PC (egg)

Cholesterol

C 18:1 Cholesteryl Oleate

TLC Mix 42

Equal weight %

Order no. 90-3042

Delivered in solution 25 mg

Mixture components:

C 18:1 Oleic Acid (9c)

C 18:1 (Fatty acid) Triolein (9c)

Ceramide (saturated, unsaturated and α -OH fatty acids)

Cholesterol

C 18:1 Cholesteryl Oleate

TLC Mix 43

Equal weight %

Order no. 90-3043

Delivered in solution 100 mg

Mixture components:

C 18:1 Methyl Oleate (9c)

C 18:1 (Fatty acid) Triolein (9c)

Cholesterol

C 18:1 Cholesteryl Oleate

Fish Oil FAME Mixture

Approximative % composition by weight. All FAMES of 89-5550 are indicated on the GC supplied with this product.

Qualmix Fish S

Order no. 89-5550

50 mg

C 14:0 Methyl Tetradecanoate	7%
C 15:0 Methyl Pentadecanoate	3%
C 16:0 Methyl Hexadecanoate	13%
C 16:1 Methyl Palmitoleate (9c)	5%
C 18:0 Methyl Octadecanoate	3%
C 18:1 Methyl Oleate (9c)	10%
C 18:2 Methyl Linoleate (9c, 12c)	3%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	2%
C 18:1 Methyl Vaccenate (11c)	4%
C 18:4 Methyl Octadecatetraenoate (6c, 9c, 12c, 15c)	1%
C 20:1 Methyl 11c-Eicosenoate	15%
C 20:4 Methyl Arachidonate (5c, 8c, 11c, 14c)	4%
C 20:5 Methyl Eicosapentaenoate (5c, 8c, 11c, 14c, 17c)	5%
C 22:1 Methyl Erucate (13c)	11%
C 22:4 Methyl Docosatetraenoate (7c, 10c, 13c, 16c)	2%
C 22:5 Methyl Docosapentaenoate (7c, 10c, 13c, 16c, 19c)	4%
C 22:6 Methyl Docosahexaenoate (4c, 7c, 10c, 13c, 16c, 19c)	8%

Polyprenol qualitative mixtures

Mixtures of plant origin Lot to lot variations may occur depending on plant origin.

Data sheet

Polyprenol mix C50-C70

Polyprenol mixture of plant origin

Order no. 89-5150

Data sheet

5 mg

Mixture components:

Decaprenol
Undecaprenol
Dodecaprenol
Tridecaprenol
Tetradecaprenol

Polyprenol mix C70-C85

Polyprenol mixture of plant origin

Order no. 89-5170

Data sheet

5 mg

Mixture components:

Tetradecaprenol
Pentadecaprenol
Hexadecaprenol
Heptadecaprenol

Polyprenol mix C90-C140

Order no. 89-5190

Data sheet

5 mg

Mixture components:

Octadecaprenol
Nonadecaprenol
Eicosaprenol
Heneicosaprenol
Docosaprenol
Tricosaprenol
Tetracosaprenol
Pentacosaprenol
Hexacosaprenol
Heptacosaprenol
Octacosaprenol

Polyprenol mix C90-C120

Order no. 89-5195

Data sheet

5 mg

Mixture components:

Octadecaprenol
Nonadecaprenol
Eicosaprenol
Heneicosaprenol
Docosaprenol
Tricosaprenol
Tetracosaprenol

Polar Lipids Mixture

Purity (components): 98+%

Documentation: TLC / Gravimetric certificate

POL mix 71

Equal weight%

Order no. 90-3071

Delivered in solution 10 mg

Mixture components:

PC (egg)

PE (egg)

PI (wheat germ (Na salt))

PG (egg PC)

PS (spinal cord, bovine)

Cardiolipin (CL), ammonium salt (bovine)

n-Paraffins (n-Alkanes) Mixture

Purity (components): 99 %

Documentation: GC

HC Mixture 11

Equal weight %

Order no. 90-0511

Delivered neat 100 mg

Mixture components:

C 10:0 Decane

C 11:0 Undecane

C 12:0 Dodecane

C 13:0 Tridecane

C 14:0 Tetradecane

C 15:0 Pentadecane

C 16:0 Hexadecane

C 17:0 Heptadecane
C 18:0 Octadecane
C 19:0 Nonadecane
C 20:0 Eicosane
C 21:0 Heneicosane
C 22:0 Docosane
C 23:0 Tricosane
C 24:0 Tetracosane

Fish Oil FAME Mixtures

Approximative % composition by weight. All FAMEs of 89-nn are indicated on the GC supplied with this product.

Qualmix Fish S

Order no. 89-5550

50 mg

C 14:0 Methyl Tetradecanoate	7%
C 15:0 Methyl Pentadecanoate	3%
C 16:0 Methyl Hexadecanoate	13%
C 16:1 Methyl Palmitoleate (9c)	5%
C 18:0 Methyl Octadecanoate	3%
C 18:1 Methyl Oleate (9c)	10%
C 18:2 Methyl Linoleate (9c, 12c)	3%
C 18:3 Methyl Linolenate (9c, 12c, 15c)	2%
C 18:1 Methyl Vaccenate (11c)	4%
C 18:4 Methyl Octadecatetraenoate (6c, 9c, 12c, 15c)	1%
C 20:1 Methyl 11c-Eicosenoate	15%
C 20:4 Methyl Arachidonate (5c, 8c, 11c, 14c)	4%
C 20:5 Methyl Eicosapentaenoate (5c, 8c, 11c, 14c, 17c)	5%
C 22:1 Methyl Erucate (13c)	11%
C 22:4 Methyl Docosatetraenoate (7c, 10c, 13c, 16c)	2%
C 22:5 Methyl Docosapentaenoate (7c, 10c, 13c, 16c, 19c)	4%
C 22:6 Methyl Docosahexaenoate (4c, 7c, 10c, 13c, 16c, 19c)	8%

Qualmix Fatty Acid Mixtures

Qualmix PUFA Fish N Natural Fish Oil

100mg 89-5555

Natural mixture of fatty acids from fish oil. Product documentation included.

Composition

C-Nr Fettsäure

C 14:0 Tetradecanoic acid
C 16:0 Hexadecanoic acid
C 16:1 Palmitoleic acid (9c)
C 18:1 ω 9 Oleic acid (9c)
C 18:1 ω 7 Vaccenic acid (11c)
C 18:2 Linoleic acid (9c, 12c)
C 18:4 ω 3 Octadecatetraenoic (Stearidonic) acid (6c, 9c, 12c, 15c)
C 20:1 Eicosenoic acid (11c)
C 20:2 Eicosadienoic acid (11c, 14c)
C 20:5 ω 3 Eicosapentaenoic acid (5c, 8c, 11c, 14c, 17c)
C 22:1 ω 9 Erucic acid (13c)
C 22:1 ω 11 Docosenoic acid (11c)
C 22:5 ω 3 Docosapentaenoic acid (7c, 10c, 13c, 16c, 19c)
C 22:6 ω 3 Docosahexaenoic acid (4c, 7c, 10c, 13c, 16c, 19c)

Qualmix PUFA Fish M Natural Menhaden oil

100mg 89-5560

Natural mixture of fatty acids from Menhaden oil. Product documentation included.

Composition

C-Nr Fettsäure

C 14:0 Tetradecanoic acid
C 16:0 Hexadecanoic acid
C 16:1 Palmitoleic acid (9c)
C 16:2 ω 4 Hexadecadienoic acid (9c, 12c)
C 16:3 ω 4 Hexadecatrienoic acid (6c, 9c, 12c)
C 18:0 Octadecanoic acid
C 18:1 ω 9 Oleic acid (9c)
C 18:1 ω 7 Vaccenic acid (11c)
C 18:2 Linoleic acid (9c, 12c)
C 18:2 ω 4 Octadecadienoic acid (11c, 14c)
C 18:3 ω 3 Linolenic acid (9c, 12c,15c)
C 18:3 ω 4 Octadecatrienoic acid (8c, 11c, 14c)
C 18:4 ω 3 Octadecatetraenoic (Stearidonic) acid (6c, 9c, 12c, 15c)
C 20:1 Eicosenoic acid (11c)
C 20:4 ω 6 Arachidonic acid (5c, 8c, 11c, 14c)

C 20:4 ω 3 Omega3-Arachidonic acid (8c, 11c, 14c, 17c)
C 20:5 ω 3 Eicosapentaenoic acid (5c, 8c, 11c, 14c, 17c)
C 21:5 ω 3 Heneicosapentaenoic acid (6c, 9c, 12c, 15c, 18c)
C 22:5 ω 3 Docosapentaenoic acid (7c, 10c, 13c, 16c, 19c)
C 22:6 ω 3 Docosahexaenoic acid (4c, 7c, 10c, 13c, 16c, 19c)

Qualmix PUFA Porcine T

100mg 89-5570

Natural mixture of fatty acids from pig tallow. Product documentation included.

Composition

C-Nr Fettsäure

C 14:0 Tetradecanoic acid
C 16:0 Hexadecanoic acid
C 16:1 Palmitoleic acid (9c)
C 18:0 Octadecanoic acid
C 18:1 ω 9 Oleic acid (9c)
C 18:1 ω 7 Vaccenic acid (11c)
C 18:2 Linoleic acid (9c, 12c)
C 18:3 ω 6 Gamma Linolenic acid (6c, 9c, 12c)
C 18:3 ω 3 Linolenic acid (9c, 12c,15c)
C 20:1 Eicosenoic acid (11c)
C 20:2 Eicosadienoic acid (11c, 14c)
C 20:3 ω 6 Homogamma Linolenic acid (8c, 11c, 14c)
C 20:4 ω 6 Arachidonic acid (5c, 8c, 11c, 14c)
C 20:5 ω 3 Eicosapentaenoic acid (5c, 8c, 11c, 14c, 17c)
C 22:4 ω 6 Docosatetraenoic acid (7c, 10c, 13c, 16c)
C 22:5 ω 3 Docosapentaenoic acid (7c, 10c, 13c, 16c, 19c)
C 22:6 ω 3 Docosahexaenoic acid (4c, 7c, 10c, 13c, 16c, 19c)

All products to be obtained from
Alle Produkte erhalten Sie von

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