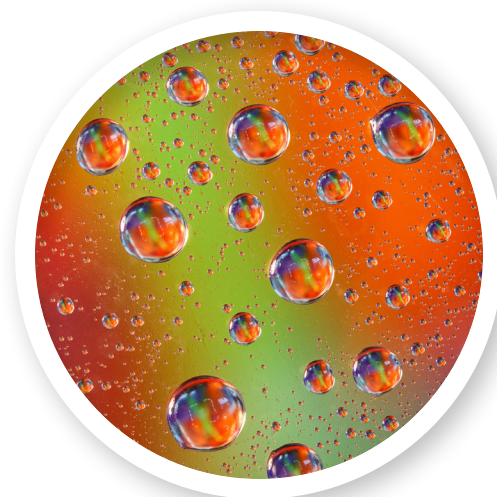




# Stable Isotopes for Lipidomics

For Monitoring Lipid Synthesis  
and Turnover



## Fatty Acids (FAs)

Catalog No.	Description
<b>4:0 Butyric Acid or Butanoic Acid</b>	
CLM-9666	Butyric acid (1- <sup>13</sup> C, 99%)
CLM-9215	Butyric acid ( <sup>13</sup> C <sub>4</sub> , 99%)
DLM-1110	Butyric acid (3,3,4,4,4-D <sub>5</sub> , 97%)
DLM-1508	Butyric acid (D <sub>7</sub> , 98%)
<b>5:0 Pentanoic Acid or Valeric Acid</b>	
CLM-10349	Pentanoic acid (3,5- <sup>13</sup> C <sub>2</sub> , 99%)
DLM-572	Pentanoic acid (D <sub>9</sub> , 98%)
<b>6:0 Hexanoic Acid or Caproic Acid</b>	
CLM-3519	Hexanoic acid (1- <sup>13</sup> C, 99%)
DLM-3030	Hexanoic acid (2,2-D <sub>2</sub> , 98%)
DLM-612	Hexanoic acid (methyl-D <sub>3</sub> , 98%)
DLM-11023	Hexanoic acid (4,4,5,5,6,6-D <sub>7</sub> , 98%)
DLM-277	Hexanoic acid (D <sub>11</sub> , 98%)
<b>7:0 Heptanoic Acid or Enanthic Acid</b>	
DLM-11088	Heptanoic acid (7,7,7-D <sub>3</sub> , 99%)
DLM-1820	Heptanoic acid (2,2,3,3-D <sub>4</sub> , 98%)
DLM-2731	Heptanoic acid (D <sub>13</sub> , 98%)
<b>8:0 Octanoic Acid or Caprylic Acid</b>	
CLM-293	Octanoic acid (1- <sup>13</sup> C, 99%)
CLM-293-MPT	Octanoic acid (1- <sup>13</sup> C, 99%)
CLM-3827	Octanoic acid (1,2- <sup>13</sup> C <sub>2</sub> , 99%)
CLM-2721	Octanoic acid (1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%)
CLM-3981	Octanoic acid ( <sup>13</sup> C <sub>8</sub> , 99%)
DLM-619	Octanoic acid (D <sub>15</sub> , 98%)
<b>9:0 Nonanoic Acid or Pelargonic Acid</b>	
CLM-8724	Nonanoic acid (U- <sup>13</sup> C <sub>9</sub> , 98%)
DLM-7490	Nonanoic acid (9,9,9-D <sub>3</sub> , 98%)
DLM-9501	Nonanoic acid (D <sub>17</sub> , 98%)
<b>10:0 Decanoic Acid or Capric Acid</b>	
DLM-2006	Decanoic acid (methyl-D <sub>3</sub> , 98%)
DLM-270	Decanoic acid (D <sub>19</sub> , 98%)
<b>12:0 Dodecanoic Acid or Lauric Acid</b>	
CLM-1586	Lauric acid (1- <sup>13</sup> C, 99%)
DLM-3062	Lauric acid (methyl-D <sub>3</sub> , 99%)
DLM-563	Lauric acid (D <sub>23</sub> , 98%)

MPT: microbiological/pyrogen tested

Chemical purity (CP) is 98% or greater, unless otherwise indicated. For research use only. Not for diagnostic procedures.

Continued ►

## Cambridge Isotope Laboratories, Inc.

North America: 1.800.322.1174 cilsales@isotope.com | International: +1.978.749.8000 intl@isotope.com | fax: 1.978.749.2768 | isotope.com

Catalog No.	Description
<b>13:0 Tridecanoic Acid or Tridecyclic Acid</b>	
DLM-1392	Tridecanoic acid (D <sub>25</sub> , 98%)
<b>14:0 Myristic Acid or Tetradecanoic Acid</b>	
DLM-2922	DL-3-Hydroxymyristic acid (2,2,3,4,4-D <sub>5</sub> , 96%)
CLM-1844	Myristic acid (1- <sup>13</sup> C, 99%)
CLM-3665	Myristic acid (1,2,3- <sup>13</sup> C <sub>3</sub> , 99%)
DLM-1039	Myristic acid (methyl-D <sub>3</sub> , 98%)
DLM-7487	Myristic acid (13,13,14,14,14-D <sub>5</sub> , 98%)
DLM-11024	Myristic acid (12,12,13,13,14,14,14-D <sub>7</sub> , 98%)
DLM-208	Myristic acid (D <sub>27</sub> , 98%)
<b>15:0 Pentadecanoic Acid or Pentadecylic Acid</b>	
DLM-1307	Pentadecanoic acid (methyl-D <sub>3</sub> , 98%)
<b>16:0 Palmitic Acid or Hexadecanoic Acid</b>	
CLM-150	Palmitic acid (1- <sup>13</sup> C, 99%)
CLM-150-MPT	Palmitic acid (1- <sup>13</sup> C, 99%)
CLM-2120	Palmitic acid (2- <sup>13</sup> C, 99%)
CLM-214	Palmitic acid (1,2- <sup>13</sup> C <sub>2</sub> , 99%)
CLM-7896	Palmitic acid (1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%)
CLM-7896-MPT	Palmitic acid (1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%)
CLM-10962	Palmitic acid (1,2,3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)
CLM-409	Palmitic acid (U- <sup>13</sup> C <sub>16</sub> , 98%)
CLM-409-MPT	Palmitic acid (U- <sup>13</sup> C <sub>16</sub> , 98%)
DLM-8673	Palmitic acid (12-D, 98%)
DLM-1153	Palmitic acid (2,2-D <sub>2</sub> , 98%)
DLM-2890	Palmitic acid (9,9-D <sub>2</sub> , 98%)
DLM-2891	Palmitic acid (13,13-D <sub>2</sub> , 98%)
DLM-611	Palmitic acid (methyl-D <sub>3</sub> , 98%)
DLM-2893	Palmitic acid (7,7,8,8-D <sub>4</sub> , 98%)
DLM-2893-MPT	Palmitic acid (7,7,8,8-D <sub>4</sub> , 98%)
DLM-2894	Palmitic acid (11,11,12,12-D <sub>4</sub> , 98%)
DLM-9424	Palmitic acid (13,13,14,14,15,15,16,16,16-D <sub>9</sub> , 98%)
DLM-2895	Palmitic acid (9,9,...16,16,16-D <sub>17</sub> , 98%) CP 97%
DLM-215	Palmitic acid (D <sub>31</sub> , 98%)
DLM-215-MPT	Palmitic acid (D <sub>31</sub> , 98%)
ULM-10680	Palmitic acid (unlabeled)

## Fatty Acids (FAs) (continued)

Catalog No.	Description
<b>16:1 Palmitoleic Acid or Zoomeric Acid</b>	
CLM-2241	Palmitoleic acid (U- <sup>13</sup> C <sub>16</sub> , 98%) CP 97%
<b>17:0 Heptadecanoic Acid or Margaric Acid</b>	
DLM-1308	Heptadecanoic acid (methyl-D <sub>3</sub> , 98%)
DLM-6905	Heptadecanoic acid (D <sub>33</sub> , 98%)
<b>18:0 Stearic Acid or Cetylacetic Acid</b>	
CLM-490	Stearic acid (methyl- <sup>13</sup> C, 99%)
CLM-676	Stearic acid (1- <sup>13</sup> C, 99%)
CLM-6990	Stearic acid (U- <sup>13</sup> C <sub>18</sub> , 98%) CP 97%
DLM-1154	Stearic acid (methyl-D <sub>3</sub> , 98%)
DLM-2712	Stearic acid (17,17,18,18,18-D <sub>5</sub> , 98%)
DLM-379	Stearic acid (D <sub>35</sub> , 98%)
<b>18:1 Oleic Acid or Elainic Acid</b>	
CLM-149	Oleic acid (1- <sup>13</sup> C, 99%)
CLM-149-MPT	Oleic acid (1- <sup>13</sup> C, 99%)
CLM-2492	Oleic acid (methyl- <sup>13</sup> C, 99%)
CLM-460	Oleic acid (U- <sup>13</sup> C <sub>18</sub> , 98%)
DLM-689	Oleic acid (9,10-D <sub>2</sub> , 97%)
DLM-689-MPT	Oleic acid (9,10-D <sub>2</sub> , 97%)
DLM-1891	Oleic acid (D <sub>33</sub> , 98%)
ULM-10649	Oleic acid (unlabeled)
<b>18:2 Linoleic Acid or Telfairic Acid</b>	
CLM-9688	Linoleic acid (1- <sup>13</sup> C, 99%)
CLM-6855	Linoleic acid (U- <sup>13</sup> C <sub>18</sub> , 98%) (<10% <i>cis/trans</i> isomer) CP 94%
<b>18:3 Linolenic Acid or (9Z,12Z,15Z)-Octadecatrienoic Acid</b>	
CLM-8386	Linolenic acid (U- <sup>13</sup> C <sub>18</sub> , 98%) CP 95%
DLM-9348	Linolenic acid (17,17,18,18,18-D <sub>5</sub> , 98%) CP 90%
<b>19:0 Nonadecanoic Acid or Nonadecylic Acid</b>	
DLM-10367	Nonadecanoic acid (D <sub>37</sub> , 98%)
<b>20:0 Arachidic Acid or Icosanoic Acid</b>	
CLM-1239	Arachidic acid (1- <sup>13</sup> C, 99%)
DLM-10481	Arachidic acid (2,2-D <sub>2</sub> , 98%)
DLM-1234	Arachidic acid (methyl-D <sub>3</sub> , 98%) CP 97%
DLM-10519	Arachidic acid (12,12,13,13-D <sub>4</sub> , 98%)
DLM-1233	Arachidic acid (D <sub>39</sub> , 98%)
<b>20:4 Arachidonic Acid or (5Z, 8Z, 11Z, 14Z)-Icosatetraenoic Acid</b>	
DLM-1661-N	Arachidonic acid (5,6,8,9,11,12,14,15-D <sub>8</sub> , 98%)
<b>20:5 Eicosapentaenoic Acid or Timnodonic Acid</b>	
CLM-8389	Eicosapentaenoic acid (U- <sup>13</sup> C <sub>20</sub> , 98%)
DLM-9720	<i>cis</i> -5,8,11,14,17-Eicosapentaenoic acid (19,19,20,20,20-D <sub>5</sub> , 98%)
ULM-10024	<i>cis</i> -5,8,11,14,17-Eicosapentaenoic acid (unlabeled)
<b>22:0 Docosanoic Acid or Behenic Acid</b>	
CLM-9909	Docosanoic acid (1,2,3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%) CP 95%
DLM-9180	Docosanoic acid (22,22,22-D <sub>3</sub> , 98%)
DLM-9951	Docosanoic acid (3,3,5,5-D <sub>4</sub> , 98%) CP 95%
DLM-10503	Docosanoic acid (12,12,13,13-D <sub>4</sub> , 98%)
DLM-4703	Docosanoic acid (D <sub>43</sub> , 98%)
<b>22:6 Docosahexaenoic Acid or Cervonic Acid</b>	
CLM-8388	Docosahexaenoic acid (U- <sup>13</sup> C <sub>22</sub> , 99%) may contain 5% DPA*
DLM-10012	Docosahexaenoic acid (21,21,22,22,22-D <sub>5</sub> , 98%)
ULM-10013	Docosahexaenoic acid (unlabeled)
<b>24:0 Tetracosanoic Acid or Lignoceric Acid</b>	
CLM-9932	Tetracosanoic acid (1,2,3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%) CP 96%
DLM-9952	Tetracosanoic acid (3,3,5,5-D <sub>4</sub> , 98%) CP 95%
DLM-9179	Tetracosanoic acid (9,9,10,10-D <sub>4</sub> , 98%)
DLM-10502	Tetracosanoic acid (12,12,13,13-D <sub>4</sub> , 98%)
DLM-7302	Tetracosanoic acid (D <sub>47</sub> , 98%)

\*DPA: docosapentaenoic acid MPT: microbiological/pyrogen tested

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2 tel: +1.978.749.8000 | 1.800.322.1174 (North America) | fax: +1.978.749.2768

Catalog No.	Description
<b>26:0 Hexacosanoic Acid or Cerotic Acid</b>	
CLM-9790	Hexacosanoic acid (1,2,3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)
DLM-9953	Hexacosanoic acid (3,3,5,5-D <sub>4</sub> , 98%) CP 95%
DLM-8510	Hexacosanoic acid (12,12,13,13-D <sub>4</sub> , 98%)

## Fatty Acid Salts (FA Salts)

Catalog No.	Description
<b>4:0 Butanoate</b>	
CLM-1256	Sodium butyrate (1- <sup>13</sup> C, 99%)
CLM-4780	Sodium butyrate (2- <sup>13</sup> C, 99%)
CLM-10426	Sodium butyrate ( <sup>13</sup> C <sub>4</sub> , 99%)
DLM-641	Sodium butyrate (3,3,4,4,4-D <sub>5</sub> , 98%)
DLM-7616	Sodium butyrate (D <sub>7</sub> , 98%)
<b>8:0 Octanoate</b>	
CLM-1948	Sodium octanoate (1- <sup>13</sup> C, 99%)
CLM-1948-MPT	Sodium octanoate (1- <sup>13</sup> C, 99%)
CLM-3876	Sodium octanoate (1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%)
CLM-3980	Sodium octanoate (2,4,6,8- <sup>13</sup> C <sub>4</sub> , 99%)
CLM-9617	Sodium octanoate ( <sup>13</sup> C <sub>8</sub> , 99%)
<b>14:0 Myristate</b>	
CLM-6228	Myristic acid, potassium salt (1- <sup>13</sup> C, 99%)
CLM-8695	Myristic acid, sodium salt (1,2,3- <sup>13</sup> C <sub>3</sub> , 99%)
<b>16:0 Palmitate</b>	
CLM-1889	Potassium palmitate (1- <sup>13</sup> C, 99%)
CLM-1889-MPT	Potassium palmitate (1- <sup>13</sup> C, 99%)
CLM-6865	Potassium palmitate (1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%)
CLM-6865-MPT	Potassium palmitate (1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%)
CLM-10942	Potassium palmitate (1,2,3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)
CLM-3943	Potassium palmitate (U- <sup>13</sup> C <sub>16</sub> , 98%)
CLM-3943-MPT	Potassium palmitate (U- <sup>13</sup> C <sub>16</sub> , 98%)
DLM-3773	Potassium palmitate (2,2-D <sub>2</sub> , 97%)
DLM-3773-MPT	Potassium palmitate (2,2-D <sub>2</sub> , 97%)
DLM-6199	Potassium palmitate (methyl-D <sub>3</sub> , 98%)
DLM-6033	Potassium palmitate (7,7,8,8-D <sub>4</sub> , 98%)
DLM-6033-MPT	Potassium palmitate (7,7,8,8-D <sub>4</sub> , 98%)
CLM-174	Sodium palmitate (1- <sup>13</sup> C, 99%)
CLM-174-MPT	Sodium palmitate (1- <sup>13</sup> C, 99%)
CLM-6059	Sodium palmitate (U- <sup>13</sup> C <sub>16</sub> , 98%)
<b>18:0 Stearate</b>	
CLM-6227	Stearic acid, potassium salt (1- <sup>13</sup> C, 99%)
CLM-10365	Stearic acid, sodium salt (U- <sup>13</sup> C <sub>18</sub> , 99%) CP 97%
<b>18:1 Oleate</b>	
CLM-4477	Oleic acid, potassium salt (1- <sup>13</sup> C, 99%)
CLM-8856	Oleic acid, potassium salt (U- <sup>13</sup> C <sub>18</sub> , 98%)
DLM-8837	Oleic acid, potassium salt (15,15,16,16,17,17,18,18-D <sub>9</sub> , 98%)
CLM-6230	Oleic acid, sodium salt (1- <sup>13</sup> C, 99%)
CLM-8763	Oleic acid, sodium salt (U- <sup>13</sup> C <sub>18</sub> , 98%)
<b>18:2 Linoleate</b>	
CLM-6229	Linoleic acid, potassium salt (1- <sup>13</sup> C, 99%)
CLM-8835	Linoleic acid, potassium salt (U- <sup>13</sup> C <sub>18</sub> , 98%) (may have up to 5% isomers) CP 97%

## Fatty Acid Methyl Esters (FAMES) and Fatty Acid Ethyl Esters (FAEEs)

Catalog No.	Description
<b>16:0 Palmitic Acid or Hexadecanoic Acid</b>	
CLM-3957	Palmitic acid, ethyl ester (palmitate-U- <sup>13</sup> C <sub>16</sub> , 98%) CP 95%
DLM-8793	Palmitic acid, ethyl ester (D <sub>31</sub> , 98%)
CLM-11289	Palmitic acid, methyl ester (1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%)
CLM-8390	Palmitic acid, methyl ester (palmitate-U- <sup>13</sup> C <sub>16</sub> , 98%)
<b>16:1 Palmitoleic Acid or Zoomeric Acid</b>	
CLM-3958	Palmitoleic acid, ethyl ester (palmitoleate-U- <sup>13</sup> C <sub>16</sub> , 98%) CP 97%
CLM-8391	Palmitoleic acid, methyl ester (palmitoleate-U- <sup>13</sup> C <sub>16</sub> , 98%) CP 97%
<b>18:0 Stearic Acid or Cetylacetic Acid</b>	
CLM-8731	Stearic acid, ethyl ester (stearate-U- <sup>13</sup> C <sub>18</sub> , 98%)
CLM-8394	Stearic acid, methyl ester (stearate-U- <sup>13</sup> C <sub>18</sub> , 98%) CP 95%
<b>18:1 Oleic Acid or Elainic Acid</b>	
CLM-2492	Oleic acid, ethyl ester (methyl- <sup>13</sup> C, 99%)
CLM-3959	Oleic acid, ethyl ester (oleate-U- <sup>13</sup> C <sub>18</sub> , 98%)
DLM-8747	Oleic acid, ethyl ester (D <sub>33</sub> , 98%) CP 95%
CLM-4337	Oleic acid, methyl ester (oleate-U- <sup>13</sup> C <sub>18</sub> , 98%)
<b>18:2 Linoleic Acid or Telfairic Acid</b>	
CLM-2119	Linoleic acid, ethyl ester (1- <sup>13</sup> C, 99%)
CLM-3960	Linoleic acid, ethyl ester (linoleate-U- <sup>13</sup> C <sub>18</sub> , 98%) CP 95%
CLM-3960-MPT	Linoleic acid, ethyl ester (linoleate-U- <sup>13</sup> C <sub>18</sub> , 98%) CP 95%
DLM-227	Linoleic acid, ethyl ester (17,17,18,18,18-D <sub>5</sub> , 98%)
DLM-766	Linoleic acid, ethyl ester (D <sub>31</sub> , 98%) CP 95%
CLM-8395	Linoleic acid, methyl ester (linoleate-U- <sup>13</sup> C <sub>18</sub> , 98%) CP 95%
DLM-9663	Linoleic acid, methyl ester (D <sub>31</sub> , 98%) CP 95%
<b>18:3 Linolenic Acid</b>	
DLM-2351	Linolenic acid, ethyl ester (17,17,18,18,18-D <sub>5</sub> , 98%) CP 95%
CLM-8396	Linolenic acid, methyl ester (linolenate-U- <sup>13</sup> C <sub>18</sub> , 98%) CP 95%
<b>20:4 Arachidonic Acid</b>	
CLM-8397	Arachidonic acid, methyl ester (arachidonate-U- <sup>13</sup> C <sub>20</sub> , 98%) CP 95%
<b>20:5 Eicosapentaenoic Acid or Timnodonic Acid</b>	
DLM-10558	Eicosapentaenoic acid, ethyl ester (19,19,20,20,20-D <sub>5</sub> , 98%) CP 95%
CLM-8399	Eicosapentaenoic acid, methyl ester (eicosapentaenoate-U- <sup>13</sup> C <sub>20</sub> , 90%)
DLM-10559	<i>cis</i> -5,8,11,14,17-Eicosapentaenoic acid, methyl ester (19,19,20,20,20-D <sub>5</sub> ) CP 95%
<b>22:6 Docosahexaenoic Acid or Cervonic Acid</b>	
DLM-10015	Docosahexaenoic acid, ethyl ester (21,21,22,22,22-D <sub>5</sub> , 98%) CP 95%
ULM-10016	Docosahexaenoic acid, ethyl ester (unlabeled)
CLM-8398	Docosahexaenoic acid, methyl ester (docosahexaenoate-U- <sup>13</sup> C <sub>22</sub> , 99%) may contain 5% DPA*
DLM-10014	Docosahexaenoic acid, methyl ester (21,21,22,22,22-D <sub>5</sub> , 98%) CP 97%

## Measuring Fatty Acid Synthesis

Catalog No.	Description
DLM-4-99	Deuterium oxide (D, 99%)
DLM-4-70	Deuterium oxide (D, 70%)
CLM-1396	D-Glucose ( <sup>13</sup> C <sub>6</sub> , 99%)
CLM-1397	Glycerol (2- <sup>13</sup> C, 99%)
CLM-460	Oleic acid ( <sup>13</sup> C <sub>18</sub> , 98%)
CLM-156	Sodium acetate (1- <sup>13</sup> C, 99%)

\*DPA: docosapentaenoic acid MPT: microbiological/pyrogen tested

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## Triacylglycerides (TGs or TAGs)

Catalog No.	Description
<b>TG(7:0/7:0/7:0) or Glycerol Triheptanoate</b>	
DLM-11086	Triheptanoin (tris(heptanoyl-7,7,7)-D <sub>9</sub> , 98%)
<b>TG(8:0/8:0/8:0) or Glycerol Trioctanoate</b>	
CLM-162	Trioctanoin (1,1,1- <sup>13</sup> C <sub>3</sub> , 99%)
CLM-162-MPT	Trioctanoin (1,1,1- <sup>13</sup> C <sub>3</sub> , 99%)
<b>TG(16:0/16:0/16:0) or Glycerol Tripalmitate</b>	
CLM-164	Tripalmitin (1,1,1- <sup>13</sup> C <sub>3</sub> , 99%)
CLM-164-MPT	Tripalmitin (1,1,1- <sup>13</sup> C <sub>3</sub> , 99%)
CLM-350	Tripalmitin (2,2,2- <sup>13</sup> C <sub>3</sub> , 99%)
CLM-8445	Tripalmitin (glyceryl- <sup>13</sup> C <sub>3</sub> , 99%)
CLM-9468	Tripalmitin (1,1,1,2,2,2,3,3,3,4,4,4- <sup>13</sup> C <sub>12</sub> , 99%)
DLM-9986	Tripalmitin (glyceryl-D <sub>5</sub> , 98%)
DLM-9462	Tripalmitin (trispalmitoyl-D <sub>93</sub> , 98%)
DLM-9044	Tripalmitin (D <sub>98</sub> , 98%)
<b>TG(18:0/18:0/18:0) or Glycerol Tristearate</b>	
CLM-3707	2-Octanoyl-1,3-distearin (octanoic-1- <sup>13</sup> C, 99%)
CLM-3707-MPT	2-Octanoyl-1,3-distearin (octanoic-1- <sup>13</sup> C, 99%)
CLM-4258	2-Octanoyl-1,3-distearin (octanoyl-1,2- <sup>13</sup> C <sub>2</sub> , 99%)
DLM-7875	Tristearin (tristearoyl-D <sub>105</sub> , 98%)
<b>TG(18:1/18:1/18:1) or Glycerol Trioleate</b>	
CLM-4259	2-Octanoyl-1,3-diolein (octanoyl-1,2- <sup>13</sup> C <sub>2</sub> , 99%)
CLM-163	Triolein (1,1,1- <sup>13</sup> C <sub>3</sub> , 99%)
CLM-163-MPT	Triolein (1,1,1- <sup>13</sup> C <sub>3</sub> , 99%)

## Cholesterol

Catalog No.	Description
CLM-804	Cholesterol* (3,4- <sup>13</sup> C <sub>2</sub> , 99%)
CLM-804-MPT	Cholesterol (3,4- <sup>13</sup> C <sub>2</sub> , 99%)
CLM-9139	Cholesterol* (2,3,4- <sup>13</sup> C <sub>3</sub> , 99%)
CLM-9587	Cholesterol* (23,24,25,26,27- <sup>13</sup> C <sub>5</sub> , 99%)
DLM-1831	Cholesterol* (3-D, 97%)
DLM-7260	Cholesterol* (25,26,26,26-D <sub>4</sub> , 98%)
DLM-2607	Cholesterol* (2,2,3,4,4,6-D <sub>6</sub> , 97%)
DLM-3057	Cholesterol* (25,26,26,26,27,27,27-D <sub>7</sub> , 98%)
OLM-7695	Cholesterol* ( <sup>18</sup> O, 95%)
CLM-3361	Cholesterol-3-octanoate (octanoate-1- <sup>13</sup> C, 99%)
DLM-10416	Cholesterol-3-sulfate, sodium salt (25,26,26,26,27,27,27-D <sub>7</sub> , 98%)
DLM-4216	7-Dehydrocholesterol (25,26,26,26,27,27,27-D <sub>7</sub> , 98%)
CLM-7768	Epicholesterol (3,4- <sup>13</sup> C <sub>2</sub> , 99%)
ULM-10267	7-α-Hydroxycholesterol (unlabeled)
DLM-8646	7-β-Hydroxycholesterol* (25,26,26,26,27,27,27-D <sub>7</sub> , 98%) CP 97%
DLM-8647	7-Ketocholesterol (25,26,26,26,27,27,27-D <sub>7</sub> , 98%)

\*Unlabeled standards are also available. Please inquire for size and pricing.

Continued ►

## Ceramides (Cer)

Catalog No.	Description	Abbrev.
ULM-9722	<i>N</i> -Octanoyl-D-sphingosine (ceramide d18:1/8:0) (unlabeled)	Cer d26:1
ULM-9721	<i>N</i> -Decanoyl-D-sphingosine (ceramide d18:1/10:0) (unlabeled)	Cer d28:1
CLM-9582	<i>N</i> -Palmitoyl-D-sphingosine* (ceramide d18:1/16:0) (palmitoyl-U- <sup>13</sup> C <sub>16</sub> , 99%) CP 95%	Cer d34:1
CLM-9583	<i>N</i> -Oleoyl-D-sphingosine* (ceramide d18:1/18:1 (9Z)) (oleoyl-U- <sup>13</sup> C <sub>18</sub> , 99%) CP 95%	Cer d36:2

\*Unlabeled standards are also available. Please inquire for size and pricing.

## Phospholipids (PLPs) and Lysophospholipids (LPLs)

Catalog No.	Description	Abbrev.*
DLM-2274	Dodecylphosphocholine* (D <sub>38</sub> , 98%)	DPC 12:0
DLM-4341	DL- $\alpha$ -Dihexanoyl phosphatidylcholine (D <sub>40</sub> , 98%) CP 95%	DHPC 12:0
DLM-11093	1,2-Dimyristoyl- <i>sn</i> -glycero-3-phosphocholine (dimyristoyl-D <sub>54</sub> , 97%; 50-60% on alpha carbons)	DMPC 28:0
CLM-9668	DL- $\alpha$ -Dipalmitoyl phosphatidylcholine (U- <sup>13</sup> C <sub>40</sub> , 98%) CP 95%	DPPC 32:0
DLM-606	L- $\alpha$ -Dipalmitoyl phosphatidylcholine (dipalmitoyl-D <sub>62</sub> , 98%) CP 95%	DPPC 32:0
DLM-8256	DL- $\alpha$ -Dipalmitoyl phosphatidylcholine (D <sub>80</sub> , 98%) CP 95%	DPPC 32:0
CDLM-7572	L- $\alpha$ -Dipalmitoyl phosphatidylcholine (palmitate-U- <sup>13</sup> C <sub>32</sub> , 98%; methyl-D <sub>9</sub> choline, 98%) CP 95%	DPPC 32:0
DLM-7557	L-Dipalmitoyl phosphatidylglycerol (dipalmitoyl-D <sub>62</sub> , 98%)	DPPG 16:0
DLM-10520	Lysophosphatidylcholine 20:0* (eicosanoyl-12,12,13,13-D <sub>4</sub> , 98%)	LysoPC C20:0
CLM-10499	Lysophosphatidylcholine 22:0* (docosanoyl-1,2,3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)	LysoPC C22:0
DLM-10500	Lysophosphatidylcholine 22:0* (docosanoyl-12,12,13,13-D <sub>4</sub> , 98%)	LysoPC C22:0
CLM-10496	Lysophosphatidylcholine 24:0* (tetracosanoyl-1,2,3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)	LysoPC C24:0
DLM-10497	Lysophosphatidylcholine 24:0* (tetracosanoyl-12,12,13,13-D <sub>4</sub> , 98%)	LysoPC C24:0
CLM-9792	Lysophosphatidylcholine 26:0* (hexacosanoyl-1,2,3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)	LysoPC C26:0
DLM-10501	Lysophosphatidylcholine 26:0* (hexacosanoyl-12,12,13,13-D <sub>4</sub> , 98%)	LysoPC C26:0

\*Unlabeled standards are also available. Please inquire for size and pricing.

†LysoPC is also abbreviated as LPC.

## Coenzymes

Catalog No.	Description	Abbrev.
CLM-9768	Butyryl coenzyme A, lithium salt (butyryl- <sup>13</sup> C <sub>4</sub> , 99%) CP 95%	Butyryl-CoA
DLM-10279	Coenzyme Q10 (dimethoxy-D <sub>6</sub> , methyl-D <sub>3</sub> , 98%) CP 97%	CoQ10

## Yeast Extracts

Catalog No.	Description
L-ISO1	Crude Lipid Yeast Extract (U- <sup>13</sup> C, 99%)
L-ISO1-UNL	Crude Lipid Yeast Extract (unlabeled)

## Carnitines/Acylcarnitines

Catalog No.	Description	Abbrev.
DLM-1871	L-Carnitine-HCl (methyl-D <sub>3</sub> , 98%)	C0
DLM-3820	L-Carnitine-HCl (dimethyl-D <sub>6</sub> , 98%)	C0
DLM-10962	L-Carnitine-HCl (trimethyl-D <sub>9</sub> , 98%)	C0
DLM-3555	L-Carnitine (trimethyl-D <sub>9</sub> , 98%)	C0
DLM-754	L-Carnitine-HCl, <i>O</i> -acetyl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C2
DLM-3821	L-Carnitine-HCl, <i>O</i> -acetyl ( <i>N,N</i> -dimethyl-D <sub>6</sub> , 98%) CP 97%	C2
DLM-3973	L-Carnitine-HCl, <i>O</i> -propionyl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C3
DLM-11049	L-Carnitine-ClO <sub>4</sub> , <i>O</i> -malonyl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C3-DC
DLM-3861	L-Carnitine-HCl, <i>O</i> -butyryl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C4
DLM-3974	L-Carnitine-HCl, <i>O</i> -isovaleryl ( <i>N,N,N</i> -trimethyl-D <sub>9</sub> , 98%)	C5
DLM-12325	L-Carnitine-ClO <sub>4</sub> , tiglyl ( <i>N,N,N</i> -trimethyl-D <sub>9</sub> , 98%) CP 90%	C5:1
DLM-3975	L-Carnitine (mono-ClO <sub>4</sub> ), <i>O</i> -glutaryl ( <i>N</i> -methyl-D <sub>3</sub> , 98%) CP 97%	C5-DC
DLM-8272	L-Carnitine-ClO <sub>4</sub> , 3-hydroxyisovaleryl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C5-OH
DLM-9276	L-Carnitine-HCl, <i>O</i> -hexanoyl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C6
DLM-755	L-Carnitine-HCl, <i>O</i> -octanoyl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C8
DLM-9067	L-Carnitine-HCl, <i>O</i> -decanoyl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C10
DLM-8746	L-Carnitine-HCl, <i>O</i> -dec-2-enoyl (95% E) ( <i>N,N,N</i> -trimethyl-D <sub>9</sub> , 98%)	C10:1
DLM-8162	L-Carnitine-HCl, <i>O</i> -dodecanoyl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C12
DLM-8215	L-Carnitine-HCl, <i>O</i> -dodecanoyl ( <i>N,N,N</i> -trimethyl-D <sub>9</sub> , 98%)	C12
DLM-4425	L-Carnitine-HCl, <i>O</i> -myristoyl ( <i>N,N,N</i> -trimethyl-D <sub>9</sub> , 98%)	C14
DLM-12326	L-Carnitine-ClO <sub>4</sub> , tetradec-5- <i>cis</i> -enoyl ( <i>N,N,N</i> -trimethyl-D <sub>9</sub> , 98%) CP 90%	C14:1
DLM-1263	L-Carnitine-HCl, <i>O</i> -palmitoyl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C16
DLM-9189	L-Carnitine (mono-ClO <sub>4</sub> ), <i>O</i> -3-DL-hydroxypalmitoyl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C16-OH
DLM-8271	L-Carnitine-HCl, <i>O</i> -octadecanoyl ( <i>N</i> -methyl-D <sub>3</sub> , 98%)	C18
DLM-6718	L-Carnitine-HCl, <i>O</i> -hexacosanoyl ( <i>N</i> -methyl-D <sub>3</sub> , 98%) CP 95%	C26
DLM-11174	L-Carnitine-HCl, <i>O</i> -hexacosanoyl ( <i>N,N,N</i> -trimethyl-D <sub>9</sub> , 98%) CP 95%	C26

Unlabeled standards are available for all of the above, as well as C4-DC (ULM-12274) and C4-OH (ULM-8621). Please inquire for size and pricing.

## Fatty Acid and Triglyceride Mixes

Catalog No.	Description
CLM-8455	Fatty Acid Mix (U- <sup>13</sup> C, 98%)
CLM-8455-MPT	Fatty Acid Mix (U- <sup>13</sup> C, 98%)
DLM-8572	Fatty Acid Mix (U-D, 96%)
CDLM-8376	Fatty Acid Mix (U- <sup>13</sup> C, 98%; U-D, 97%)
CLM-8381	Fatty Acid, Methyl Ester Mix (U- <sup>13</sup> C, 98%) (unlabeled terminal ester) CP 95%
DLM-2497	Fatty Acid, Methyl Ester Mix (U-D, 96%)
DLM-8375	Triglyceride Mix (U-D, 97%)

Note: Mix composition varies by lot. Please inquire for details.

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