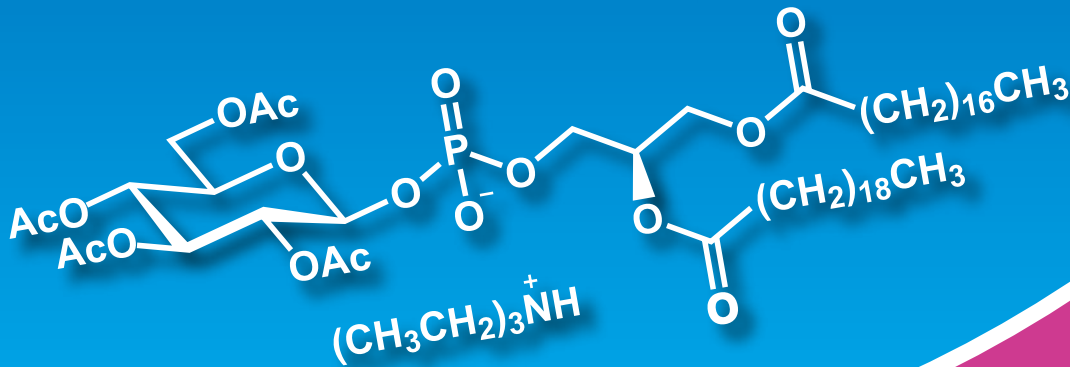
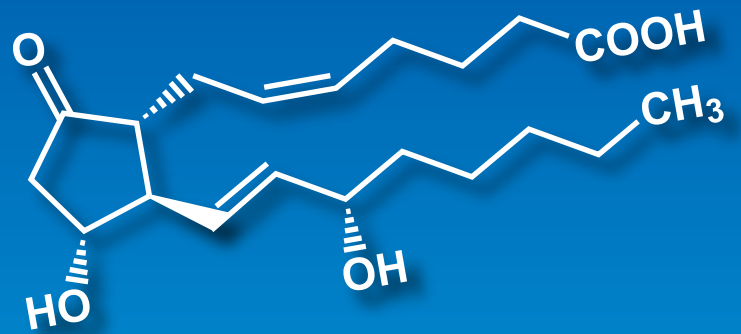
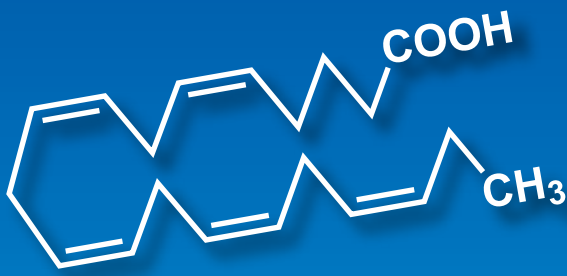


脂質

Lipids



脂肪アシル

グリセロ脂質

リン脂質

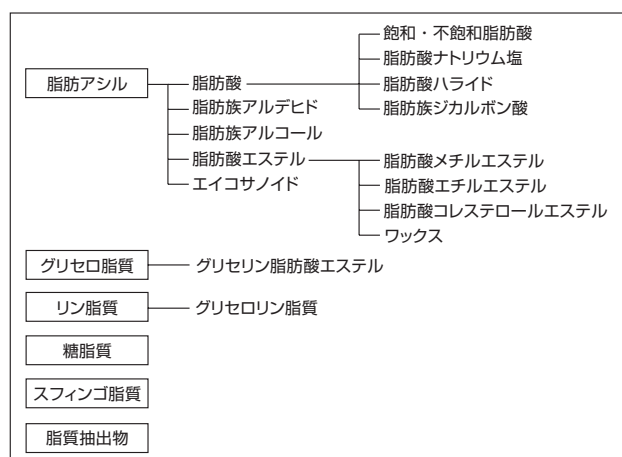
糖脂質

スフィンゴ脂質

脂質抽出物 / 油

脂質

脂質は糖質、タンパク質とともに生体を構成する大きな物質群です。本項では脂質関連物質として脂肪の構成成分である脂肪酸およびその誘導体を紹介いたします。脂肪酸はアシルCoAをプライマーとして、マロニルCoA（またはメチルマロニルCoA）の縮合で生合成されます¹⁾。脂肪酸は炭素鎖が4以上のものを指し、特に炭素数が10より長いものを高級脂肪酸と呼びます²⁾。脂質を以下のように分類いたしました³⁾。



脂肪酸アシル

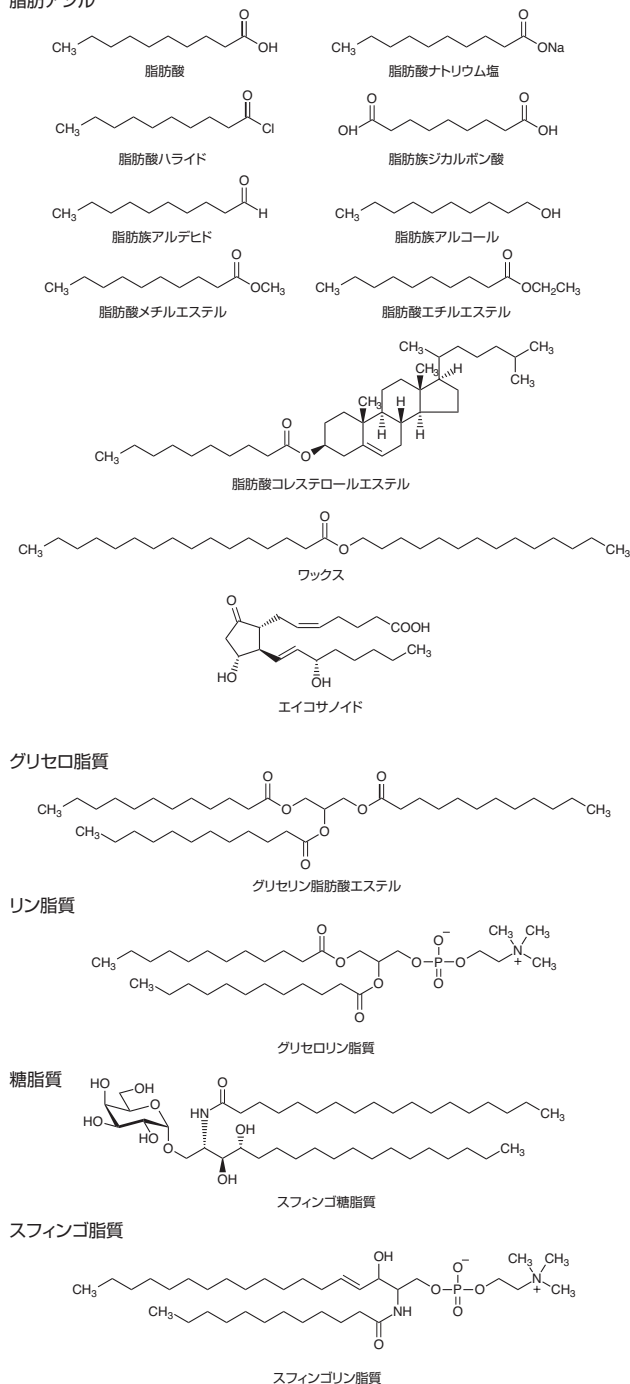


図1 脂質の分類

脂肪酸は主にグリセリンのエステルとして生体内に存在し、トリアシルグリセロールは脂肪組織でエネルギーの貯蔵体です。生体内では炭素数の異なるアシル基が結合した混合物として存在しており、多くの場合純物質として単離することは困難です。また、コレステロールとのエステルの形でも生体内に存在し、生体膜の主要な構成成分の一つです。膜の柔軟性をあげる働きがあります。

遊離脂肪酸には0.1mMのオーダーから細胞の増殖を抑制する作用が知られており、細胞へ添加する場合には注意が必要です⁴⁾。

●保存

オレイン酸のような分子内に二重結合をもつ不飽和脂肪酸は、空気酸化を受けやすく過酸化物を生成することが知られています。やむを得ず、不飽和脂肪酸およびその誘導体を開封後保存される場合には、窒素、アルゴンなどの不活性ガスを封入し、冷蔵・冷凍にて保存してください。二重結合の数が多くなるにつれて酸素の影響を受けやすくなります。

●誘導体

脂肪酸メチルエステルは脂肪酸誘導体として分析化学で汎用されています。遊離脂肪酸と比べ極性を下げることができ、有機溶媒での取り扱いが簡便になります。また、TLC、GC、LCでテーリングを抑えて分析できます。

脂肪酸エチルエステルはメチルエステルに比べ、分析に用いられることはまれですが、メタノールより毒性の低いエタノールを用いて脂肪酸から調製できるメリットがあります。例えば、高脂血症薬として用いられているイコサペンタエン酸(EPA)はエチルエステルとして供給されています。低級～中級脂肪酸のエチルエステルは香料としても用いられます。

脂肪酸ナトリウム塩は脂質のけん化生成物として得られます。石けんの成分として日常生活で広く使われています。両親媒性で界面活性作用があります。

●分析

脂肪酸を分析するには主にガスクロマトグラフィー(GC)が用いられます。脂肪酸そのものは、一般に用いられる電子衝撃イオン化法(EI)では気化しにくいいため検出が困難です。そこで、メチルエステルに誘導して検出します。検出器に質量分析計を用いるGC-MS法を用いると脂肪酸を容易に同定することができます。

遊離脂肪酸のメチル化法としてはメタノール溶媒中、三フッ化ホウ素・エーテル錯体を作用させる方法、トリメチルシリルジアゾメタンを作用させるなどがあります。

また、グリセリドなどの脂質の脂肪酸組成の分析にはトリメチルスルホニウムヒドロキシドや3-(トリフルオロメチル)フェニルトリメチルアンモニウムヒドロキシド(*m*-TFPTAH)のメタノール溶液を用いるGCオンカラム法が簡便な方法として知られています。

●溶解度

一般に、脂肪酸は炭素数が多くなるにつれ、水への溶解性が減少していきます。エステル、グリセリドでは水に不溶です。エタノール、クロロホルム、ジエチルエーテルに溶解します。生体内での作用を検討される場合にはジメチルスルホキシド溶液として緩衝液に添加します。このとき溶質の濃度が高くなると、懸濁した状態になるのでご注意ください。事前に至適濃度と添加量を決定されることをおすすめいたします。脂肪酸ナトリウム塩は遊離脂肪酸に比べて水溶性が向上しています。高級脂肪酸塩ではミセルを形成しやすくなります。

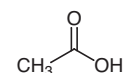
文献

- 1) P. M. Dewick, in *Medicinal Natural Products*, 3rd ed., John Wiley & Sons, Chichester, **2009**, p. 39.
- 2) *Biochemical Nomenclature and Related Documents*, 2nd ed., Portland Press, London, **1992**, p. 180.
- 3) E. Fahy, S. Subramaniam, H. A. Brown, C. K. Glass, A. H. Merrill, Jr., R. C. Murphy, C. R. H. Raetz, D. W. Russell, Y. Seyama, W. Shaw, T. Shimizu, F. Spener, G. van Meer, M. S. VanNieuwenhze, S. H. White, J. L. Witztum, E. A. Dennis, *J. Lipid Res.* **2005**, *46*, 839.
- 4) C. W. Sheu, D. Salomon, J. L. Simmons, T. Sreevalsan, E. Freese, *Antimicrob. Agents Chemother.* **1975**, *7*, 349.

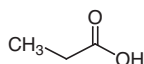
脂肪アシル

脂肪酸および
コンジュゲート直鎖飽和
脂肪酸

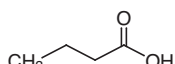
A2035 300mL

Acetic Acid
CAS RN: 64-19-7

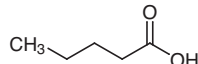
P0500 25mL 500mL

Propionic Acid
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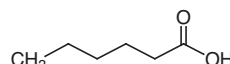
B0754 25mL 500mL

Butyric Acid
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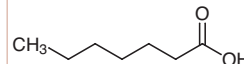
V0003 25mL 500mL

Valeric Acid
CAS RN: 109-52-4

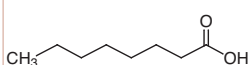
H0105 25mL 500mL

Hexanoic Acid
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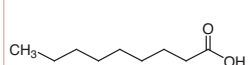
H0030 25mL 500mL

Heptanoic Acid
CAS RN: 111-14-8

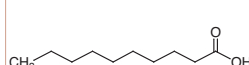
O0027 25mL 500mL

*n*-Octanoic Acid
CAS RN: 124-07-2

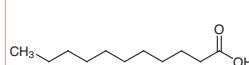
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Nonanoic Acid
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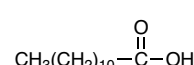
D0017 25g 400g

Decanoic Acid
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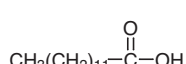
U0004 25g 250g

Undecanoic Acid
CAS RN: 112-37-8

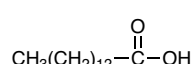
L0011 25g 500g

Lauric Acid
CAS RN: 143-07-7

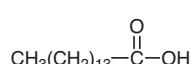
T0412 25g 500g

Tridecanoic Acid
CAS RN: 638-53-9

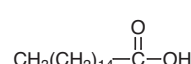
M0476 25g 500g

Myristic Acid
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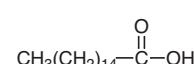
P0035 25g 100g 500g

Pentadecanoic Acid
CAS RN: 1002-84-2

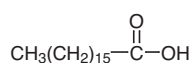
P0002 25g 500g

Palmitic Acid (>97.0%)
CAS RN: 57-10-3

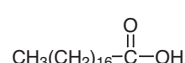
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Palmitic Acid (>99.5%)
CAS RN: 57-10-3

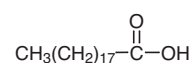
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Heptadecanoic Acid
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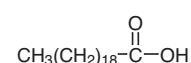
S0163 25g 500g

Stearic Acid
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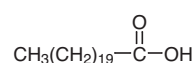
N0283 10g 25g

Nonadecanoic Acid
CAS RN: 646-30-0

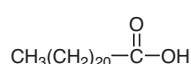
E0006 1g 25g

Arachidic Acid
CAS RN: 506-30-9

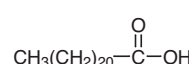
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Heneicosanoic Acid
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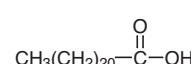
D0963 25g 500g

Behenic Acid (>80.0%)
CAS RN: 112-85-6

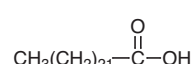
B1248 5g 25g

Behenic Acid (>95.0%)
CAS RN: 112-85-6

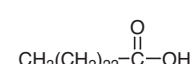
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Behenic Acid (>99.0%)
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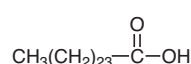
T0402 1g 10g

Tricosanoic Acid
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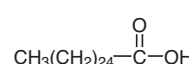
T0076 1g 5g 25g

Lignoceric Acid
CAS RN: 557-59-5

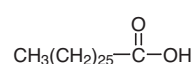
P0882 1g 5g

Pentacosanoic Acid
CAS RN: 506-38-7

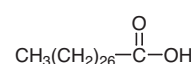
C0829 1g 10g

Cerotic Acid
CAS RN: 506-46-7

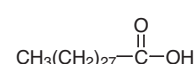
H0971 100mg 1g 5g

Heptacosanoic Acid
CAS RN: 7138-40-1

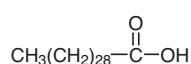
M1342 100mg

Octacosanoic Acid
CAS RN: 506-48-9

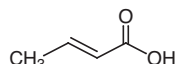
N0662 1g 5g

Nonacosanoic Acid
CAS RN: 4250-38-8

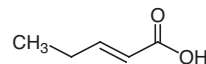
M0595 100mg 1g 5g

Melissic Acid
CAS RN: 506-50-3直鎖不飽和
脂肪酸

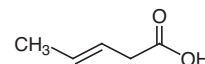
C0416 25g 100g

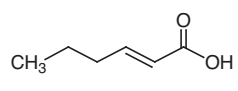
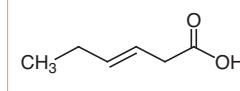
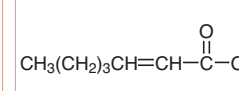
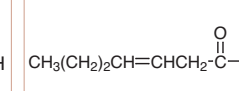
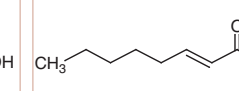
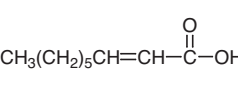
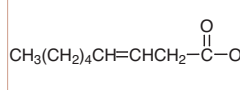
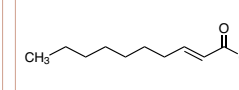
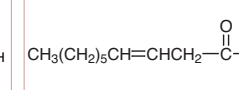
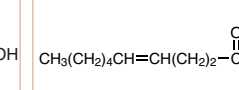
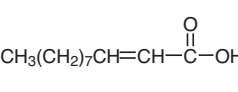
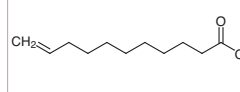
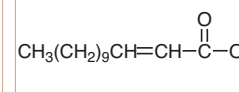
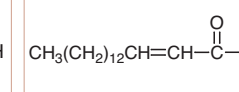

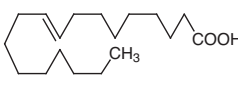
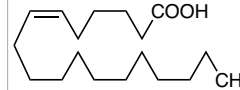
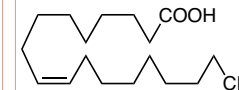

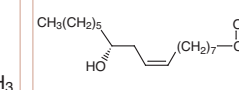
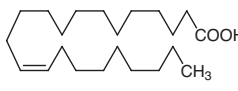
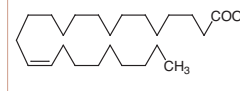
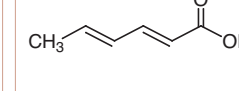
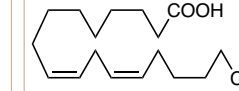
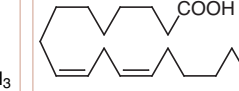
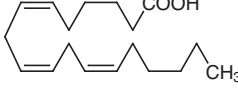
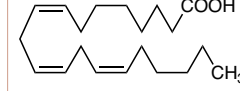
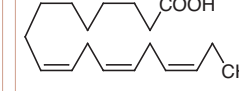
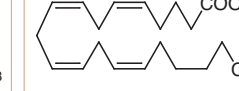


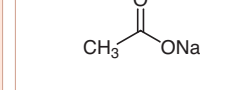
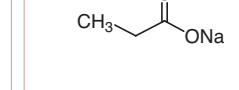
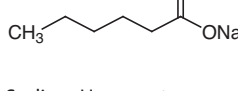
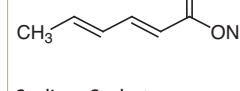
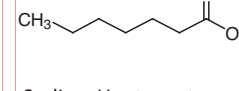
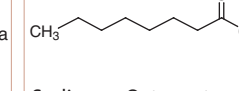
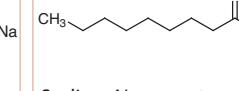
Crotonic Acid
CAS RN: 107-93-7

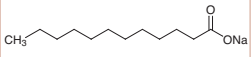
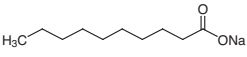
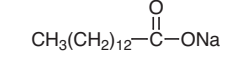
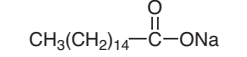
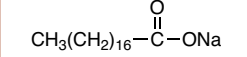
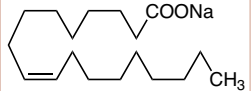
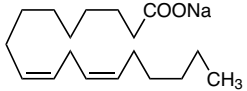
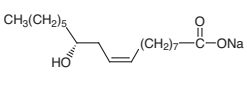
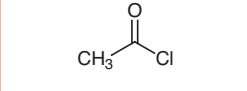
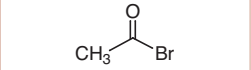
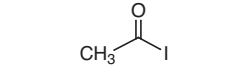
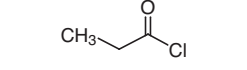
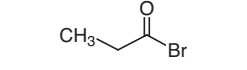
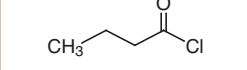
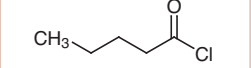
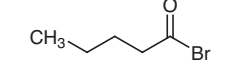
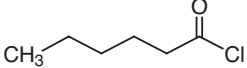
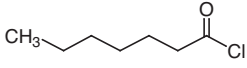
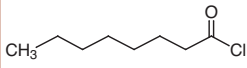
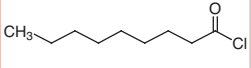
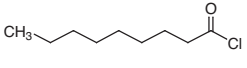
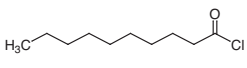
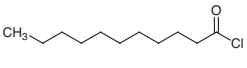
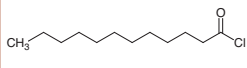
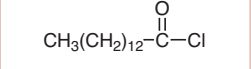
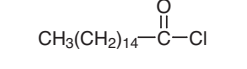
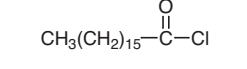
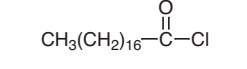
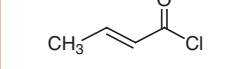
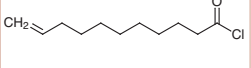
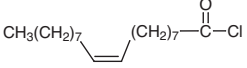
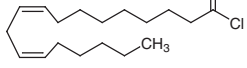
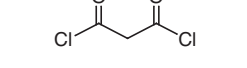
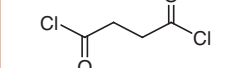
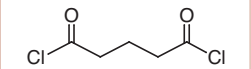
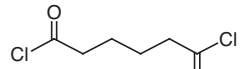
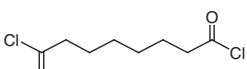
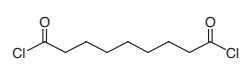
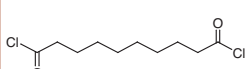
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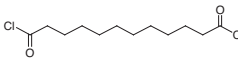
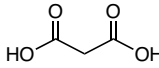
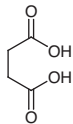
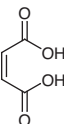
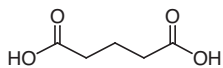
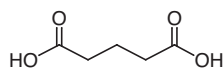
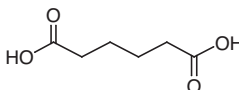
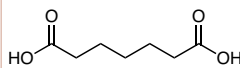
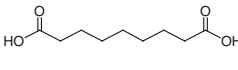
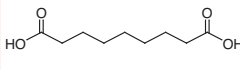
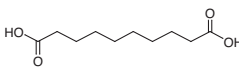
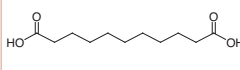
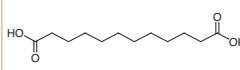
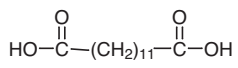
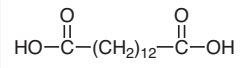
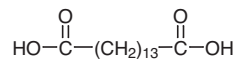
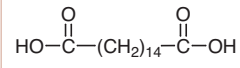
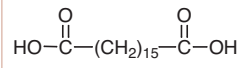
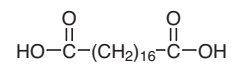
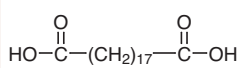
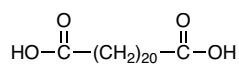
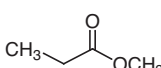
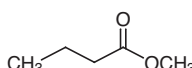
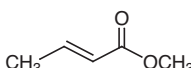
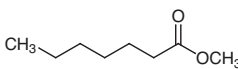
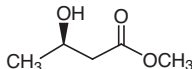
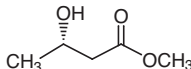
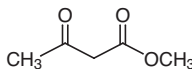
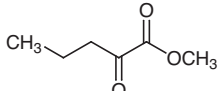
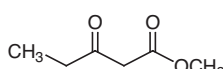
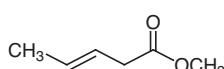
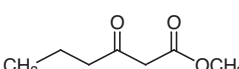
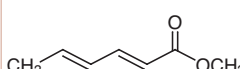
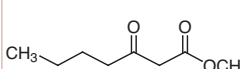
*trans*-2-Pentenoic Acid
CAS RN: 13991-37-2

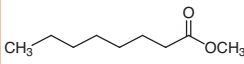
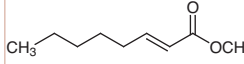
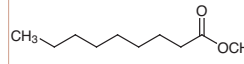
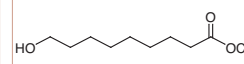
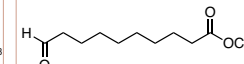
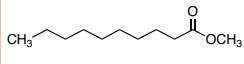
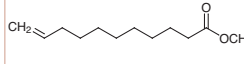
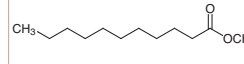
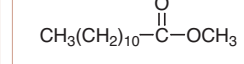
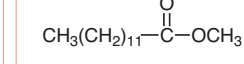
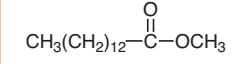
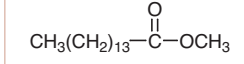
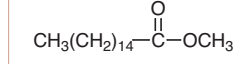

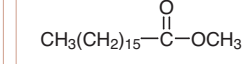
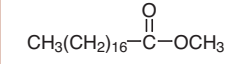
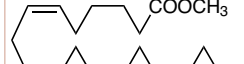
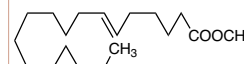
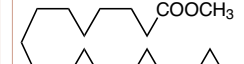
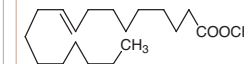
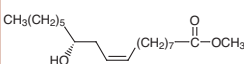
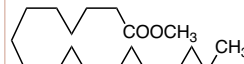


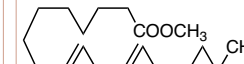

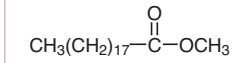
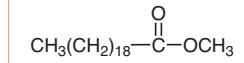

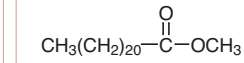
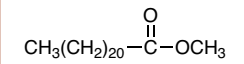
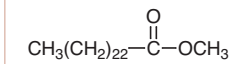
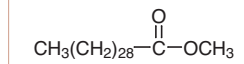
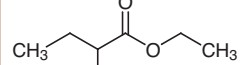
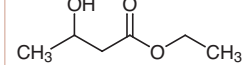
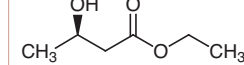
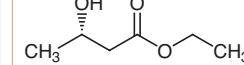
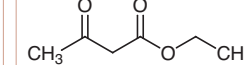
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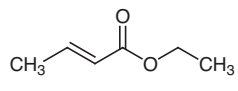
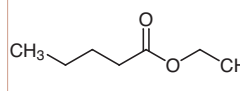
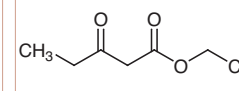
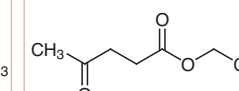
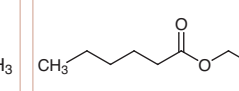
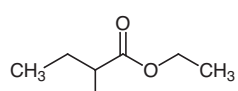
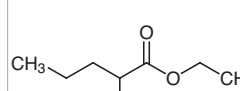
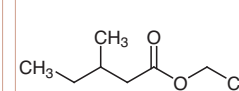
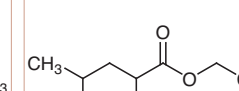
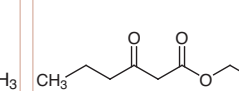
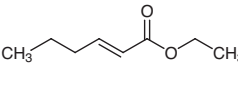
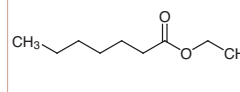
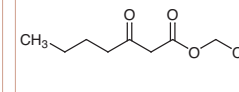
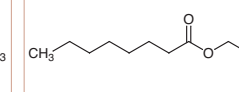
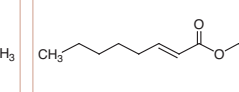
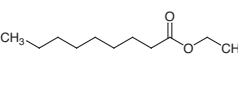
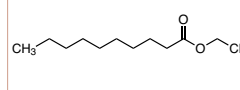
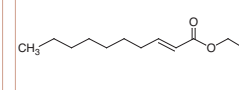
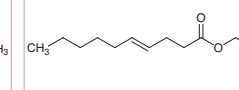
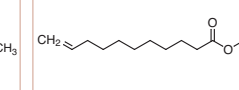
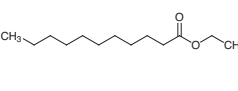
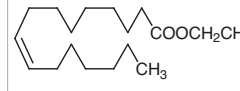
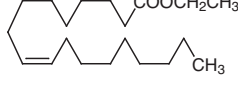
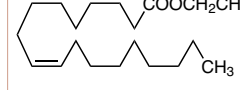
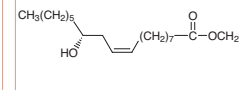
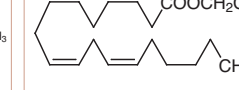
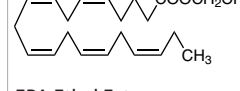

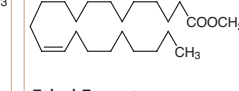
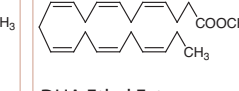
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CAS RN: 1617-32-9

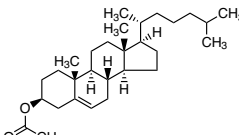
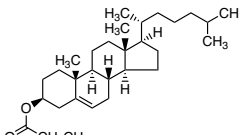
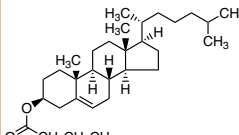
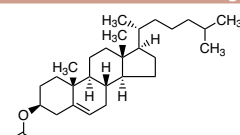
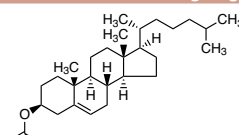
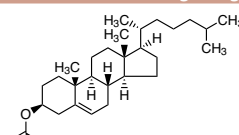
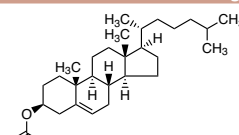
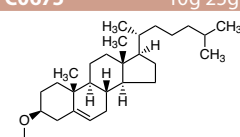
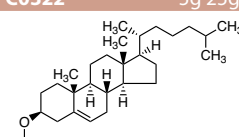
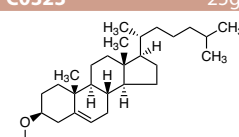
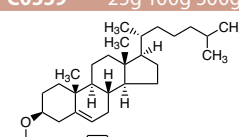
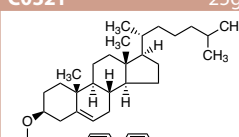
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N0426 25mL  2-Nonenoic Acid CAS RN: 3760-11-0	N0312 1mL 5mL  3-Nonenoic Acid CAS RN: 4124-88-3	D0098 5mL 25mL  <i>trans</i> -2-Decenoic Acid CAS RN: 334-49-6	D1186 5mL  3-Decenoic Acid CAS RN: 15469-77-9	D4449 5mL 25mL  4-Decenoic Acid CAS RN: 26303-90-2
U0032 5g  2-Undecenoic Acid CAS RN: 4189-02-0	U0007 25g 400g  10-Undecenoic Acid CAS RN: 112-38-9	T0759 5g 25g  2-Tridecenoic Acid CAS RN: 6969-16-0	H0428 1g 5g  Gaidic Acid CAS RN: 629-56-1	H0072 100mg 1g  Palmitoleic Acid CAS RN: 373-49-9
O0010 5g 25g  Elaidic Acid CAS RN: 112-79-8	O0009 1g  Petroselinic Acid CAS RN: 593-39-5	O0011 25mL 500mL  Oleic Acid (>85.0%) CAS RN: 112-80-1	O0180 5mL 25mL  Oleic Acid (>99.0%) CAS RN: 112-80-1	R0027 25mL 500mL  Ricinoleic Acid CAS RN: 141-22-0
D0965 25g 100g  Erucic Acid CAS RN: 112-86-7	T1642 1g  <i>cis</i> -15-Tetracosenoic Acid CAS RN: 506-37-6	S0053 25g 500g  Sorbic Acid CAS RN: 110-44-1	L0053 25mL 100mL 500mL  Linoleic Acid (>85.0%) CAS RN: 60-33-3	L0124 5g 25g  Linoleic Acid (>97.0%) CAS RN: 60-33-3
L0152 100mg 1g  γ -Linolenic Acid CAS RN: 506-26-3	E0640 50mg  Dihomo- γ -linolenic Acid CAS RN: 1783-84-2	L0050 25mL  Linolenic Acid CAS RN: 463-40-1	A0781 100mg 500mg  Arachidonic Acid CAS RN: 506-32-1	E0441 100mg 500mg  EPA CAS RN: 10417-94-4
D2226 100mg  DHA CAS RN: 6217-54-5	脂肪酸 ナトリウム塩		S0559 300g  Sodium Acetate CAS RN: 127-09-3	P0512 25g 500g  Sodium Propionate CAS RN: 137-40-6
H0112 25g 500g  Sodium Hexanoate CAS RN: 10051-44-2	S0058 25g 500g  Sodium Sorbate CAS RN: 7757-81-5	E0009 25g  Sodium Heptanoate CAS RN: 10051-45-3	O0034 25g 250g  Sodium <i>n</i> -Octanoate CAS RN: 1984-06-1	N0291 25g  Sodium Nonanoate CAS RN: 14047-60-0

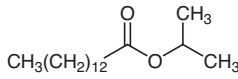
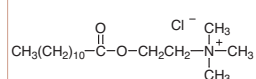
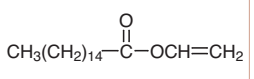
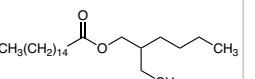
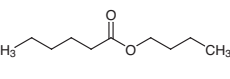
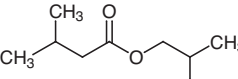
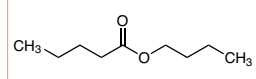
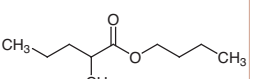
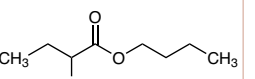
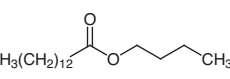
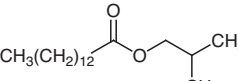
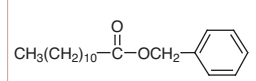
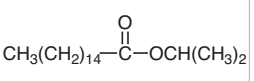
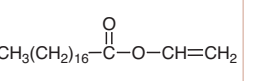
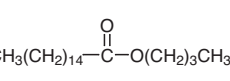
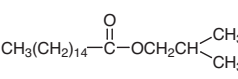
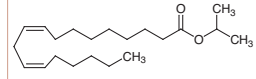
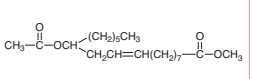
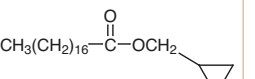
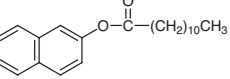
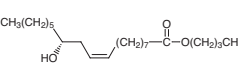
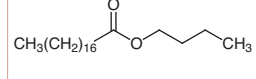
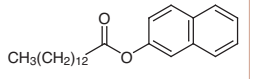
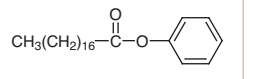
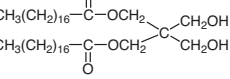
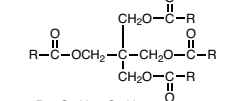
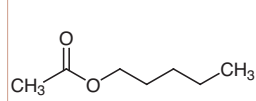
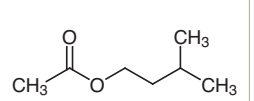
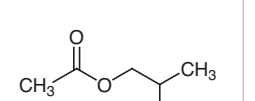
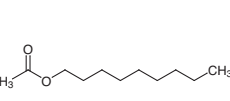
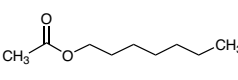
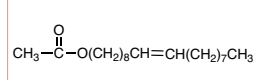
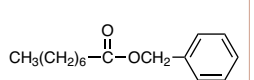
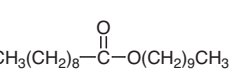
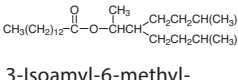
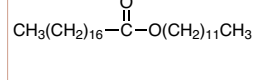
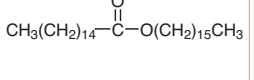
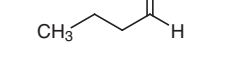
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<p>V0010 25mL 100mL 500mL</p>  <p>Valeryl Chloride CAS RN: 638-29-9</p>	<p>V0038 10g</p>  <p>Valeryl Bromide CAS RN: 1889-26-5</p>	<p>H0117 25g 100g 500g</p>  <p>Hexanoyl Chloride CAS RN: 142-61-0</p>	<p>H0040 25g 100g 500g</p>  <p>Heptanoyl Chloride CAS RN: 2528-61-2</p>	<p>O0039 25mL 100mL 500mL</p>  <p>n-Octanoyl Chloride CAS RN: 111-64-8</p>	
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<p>U0008 25mL 250mL</p>  <p>10-Undecenoyl Chloride CAS RN: 38460-95-6</p>	<p>O0053 25g 250g</p>  <p>Oleoyl Chloride CAS RN: 112-77-6</p>	<p>L0113 1g</p>  <p>Linoleoyl Chloride CAS RN: 7459-33-8</p>	<p>M0882 10g 25g</p>  <p>Malonyl Chloride CAS RN: 1663-67-8</p>	<p>S0110 25g 250g</p>  <p>Succinyl Chloride CAS RN: 543-20-4</p>	
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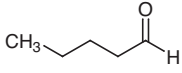
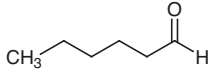
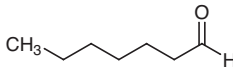
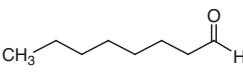
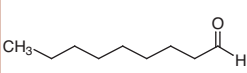
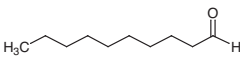
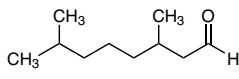
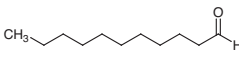
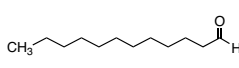
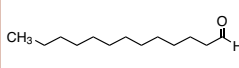
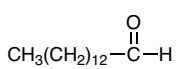
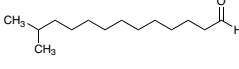
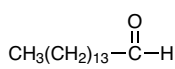
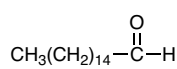
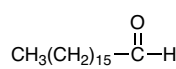
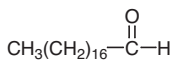
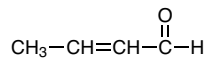
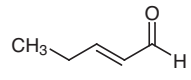
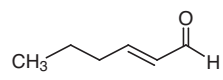
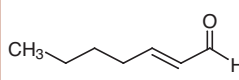
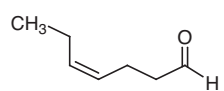
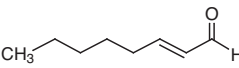
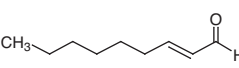
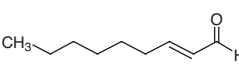
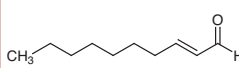
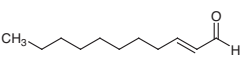
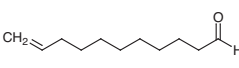
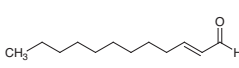
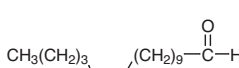
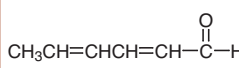
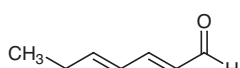
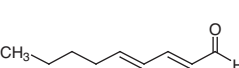
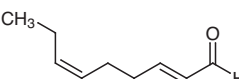
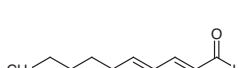
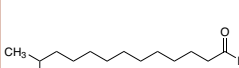
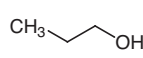
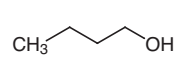
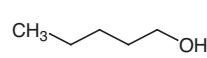
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<p>G0069 25g 500g</p>  <p>Glutaric Acid CAS RN: 110-94-1</p>		<p>G0245 500g</p>  <p>Glutaric Acid (ca. 50% in Water, ca. 4.3mol/L) CAS RN: 110-94-1</p>	<p>A0161 25g 500g</p>  <p>Adipic Acid CAS RN: 124-04-9</p>	<p>P0435 25g 100g 500g</p>  <p>Pimelic Acid CAS RN: 111-16-0</p>
<p>A0561 25g 500g</p>  <p>Azelaic Acid (>80.0%) CAS RN: 123-99-9</p>	<p>A1318 25g 250g</p>  <p>Azelaic Acid (>98.0%) CAS RN: 123-99-9</p>	<p>S0022 25g 500g</p>  <p>Sebacic Acid CAS RN: 111-20-6</p>	<p>N0333 5g 25g</p>  <p>Undecanedioic Acid CAS RN: 1852-04-6</p>	<p>D0013 25g 500g</p>  <p>Dodecanedioic Acid CAS RN: 693-23-2</p>
<p>T0021 5g 25g</p>  <p>Tridecanedioic Acid CAS RN: 505-52-2</p>	<p>T0704 5g 25g</p>  <p>Tetradecanedioic Acid CAS RN: 821-38-5</p>	<p>P0909 1g 10g</p>  <p>Pentadecanedioic Acid CAS RN: 1460-18-0</p>	<p>H0293 1g 5g 25g</p>  <p>Hexadecanedioic Acid CAS RN: 505-54-4</p>	<p>H0972 1g</p>  <p>Heptadecanedioic Acid CAS RN: 2424-90-0</p>
<p>O0222 1g 5g 25g</p>  <p>Octadecanedioic Acid CAS RN: 871-70-5</p>	<p>N0663 1g 5g</p>  <p>Nonadecanedioic Acid CAS RN: 6250-70-0</p>	<p>D3137 1g</p>  <p>Docosanedioic Acid CAS RN: 505-56-6</p>	<p style="text-align: center;">脂肪酸 エステル</p>	
<p>P0508 25mL 500mL</p>  <p>Methyl Propionate CAS RN: 554-12-1</p>	<p>B0763 25mL 500mL</p>  <p>Methyl Butyrate CAS RN: 623-42-7</p>	<p>C0419 25mL 100mL 500mL</p>  <p>Methyl Crotonate CAS RN: 623-43-8</p>		
<p>H0032 25mL</p>  <p>Methyl Heptanoate CAS RN: 106-73-0</p>	<p>H0705 10mL 25mL</p>  <p>Methyl (R)-(+)-3-Hydroxybutyrate CAS RN: 3976-69-0</p>	<p>H0704 5mL 25mL</p>  <p>Methyl (S)-(-)-3-Hydroxybutyrate CAS RN: 53562-86-0</p>	<p>A0650 25g 500g</p>  <p>Methyl Acetoacetate CAS RN: 105-45-3</p>	<p>M1863 5g 25g</p>  <p>Methyl 2-Oxovalerate CAS RN: 6376-59-6</p>
<p>K0035 25g 100g 500g</p>  <p>Methyl 3-Oxovalerate CAS RN: 30414-53-0</p>	<p>P1210 5mL 25mL</p>  <p>Methyl <i>trans</i>-3-Pentenoate CAS RN: 20515-19-9</p>	<p>K0037 25mL 500mL</p>  <p>Methyl 3-Oxohexanoate CAS RN: 30414-54-1</p>	<p>S0056 25mL</p>  <p>Methyl Sorbate CAS RN: 1515-80-6</p>	<p>O0246 25mL</p>  <p>Methyl 3-Oxoheptanoate CAS RN: 39815-78-6</p>

<p>O0033 25mL 500mL</p>  <p>Methyl <i>n</i>-Octanoate CAS RN: 111-11-5</p>	<p>M2014 5mL 25mL</p>  <p>Methyl <i>trans</i>-2-Octenoate CAS RN: 7367-81-9</p>	<p>N0290 25mL</p>  <p>Methyl Nonanoate CAS RN: 1731-84-6</p>	<p>H0835 1g 5g</p>  <p>Methyl 9-Hydroxynonanoate CAS RN: 34957-73-8</p>	<p>M2263 1g 5g</p>  <p>Methyl 9-Formylnonanoate CAS RN: 14811-73-5</p>
<p>D0023 25mL 500mL</p>  <p>Methyl Decanoate CAS RN: 110-42-9</p>	<p>U0036 25mL 100mL 500mL</p>  <p>Methyl 10-Undecenoate CAS RN: 111-81-9</p>	<p>U0050 25mL</p>  <p>Methyl Undecanoate CAS RN: 1731-86-8</p>	<p>L0015 25mL 500mL</p>  <p>Methyl Laurate CAS RN: 111-82-0</p>	<p>T0960 5mL 25mL 100mL</p>  <p>Methyl Tridecanoate CAS RN: 1731-88-0</p>
<p>M0482 25mL 500mL</p>  <p>Methyl Myristate CAS RN: 124-10-7</p>	<p>P0869 5mL 25mL</p>  <p>Methyl Pentadecanoate CAS RN: 7132-64-1</p>	<p>P0006 25g 250g</p>  <p>Methyl Palmitate CAS RN: 112-39-0</p>	<p>P1958 100mg 1g</p>  <p>Methyl <i>cis</i>-9-Hexadecanoate CAS RN: 1120-25-8</p>	<p>H0566 5g 25g</p>  <p>Methyl Heptadecanoate CAS RN: 1731-92-6</p>
<p>S0080 25g 500g</p>  <p>Methyl Stearate CAS RN: 112-61-8</p>	<p>M2306 500mg</p>  <p>Methyl <i>cis</i>-6-Octadecenoate CAS RN: 2777-58-4</p>	<p>M2310 100mg 500mg</p>  <p>Methyl <i>trans</i>-6-Octadecenoate CAS RN: 14620-36-1</p>	<p>O0055 25mL 500mL</p>  <p>Methyl Oleate CAS RN: 112-62-9</p>	<p>O0226 1mL 5mL</p>  <p>Methyl <i>trans</i>-9-Octadecenoate CAS RN: 1937-62-8</p>
<p>R0029 25mL 500mL</p>  <p>Methyl Ricinoleate CAS RN: 141-24-2</p>	<p>M2308 100mg</p>  <p>Methyl <i>cis</i>-11-Octadecenoate CAS RN: 1937-63-9</p>	<p>M2309 100mg</p>  <p>Methyl <i>trans</i>-11-Octadecenoate CAS RN: 6198-58-9</p>	<p>L0078 25mL 500mL</p>  <p>Methyl Linoleate CAS RN: 112-63-0</p>	<p>M2307 100mg 500mg</p>  <p>Methyl Linoleidate CAS RN: 2566-97-4</p>
<p>L0051 25mL 100mL</p>  <p>Methyl Linolenate CAS RN: 301-00-8</p>	<p>N0460 5g 25g</p>  <p>Methyl Nonadecanoate CAS RN: 1731-94-8</p>	<p>A0900 5g 25g</p>  <p>Methyl Arachidate CAS RN: 1120-28-1</p>	<p>D1017 25mL 500mL</p>  <p>Methyl <i>cis</i>-13-Docosenoate CAS RN: 1120-34-9</p>	<p>B1748 10g</p>  <p>Methyl Behenate (>96.0%) CAS RN: 929-77-1</p>
<p>B1241 25g</p>  <p>Methyl Behenate (>90.0%) CAS RN: 929-77-1</p>	<p>L0112 1g 5g</p>  <p>Methyl Lignocerate CAS RN: 2442-49-1</p>	<p>T0812 100mg 1g</p>  <p>Methyl Triacontanate CAS RN: 629-83-4</p>	<p>脂肪酸 エチルエステル</p>	
<p>H0229 5g 25g</p>  <p>Ethyl 2-Hydroxybutyrate CAS RN: 52089-54-0</p>	<p>H0230 25g 500g</p>  <p>Ethyl DL-3-Hydroxybutyrate CAS RN: 5405-41-4</p>	<p>H1029 1g 5g</p>  <p>Ethyl (<i>R</i>)-(-)-3-Hydroxybutyrate CAS RN: 24915-95-5</p>	<p>H0975 5g 25g</p>  <p>Ethyl (<i>S</i>)-(+)-3-Hydroxybutyrate CAS RN: 56816-01-4</p>	<p>A0649 25g 500g</p>  <p>Ethyl Acetoacetate CAS RN: 141-97-9</p>

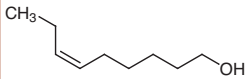
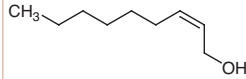
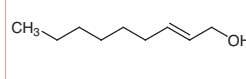
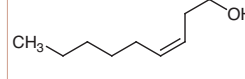
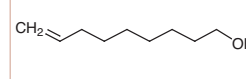
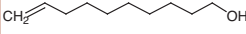
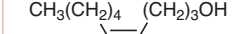

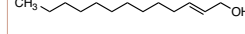
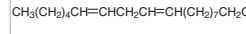
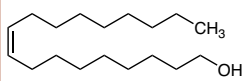
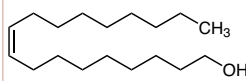
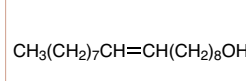
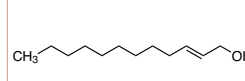
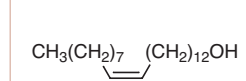
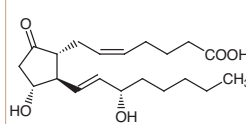
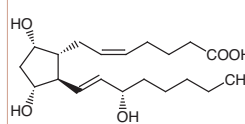
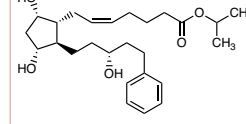
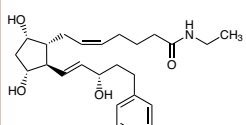
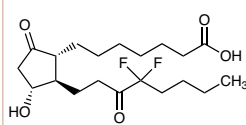
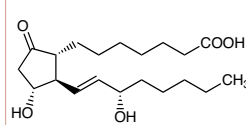
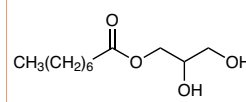
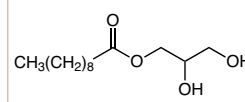
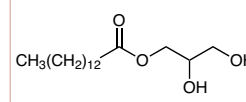
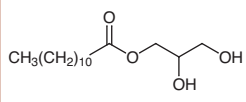
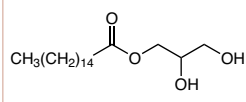
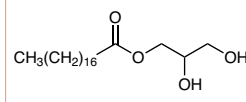
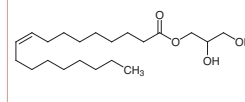
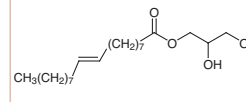
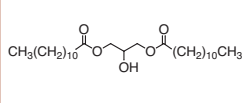
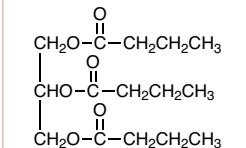
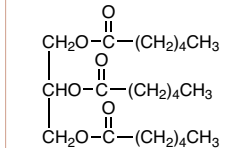
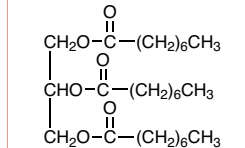
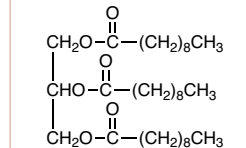
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E0787 25g  Ethyl <i>trans</i> -2-Hexenoate CAS RN: 27829-72-7	H0031 25mL 500mL  Ethyl Heptanoate CAS RN: 106-30-9	O0216 10g 25g  Ethyl 3-Oxoheptanoate CAS RN: 7737-62-4	O0030 25mL 500mL  Ethyl <i>n</i> -Octanoate CAS RN: 106-32-1	O0286 25mL  Ethyl <i>trans</i> -2-Octenoate CAS RN: 7367-82-0
N0289 25mL  Ethyl Nonanoate CAS RN: 123-29-5	D0022 25mL 500mL  Ethyl Decanoate CAS RN: 110-38-3	D2767 25mL  Ethyl <i>trans</i> -2-Decenoate CAS RN: 7367-88-6	D1931 10mL  Ethyl <i>trans</i> -4-Decenoate CAS RN: 76649-16-6	E0771 25g 250g  Ethyl 10-Undecenoate CAS RN: 692-86-4
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P0003 25mL 500mL $\text{CH}_3(\text{CH}_2)_{14}-\text{C}(=\text{O})-\text{OCH}_2\text{CH}_3$ Ethyl Palmitate CAS RN: 628-97-7	H0501 100mg  Ethyl <i>cis</i> -9-Hexadecenoate CAS RN: 56219-10-4	H0526 5g 25g $\text{CH}_3(\text{CH}_2)_{15}-\text{C}(=\text{O})-\text{OCH}_2\text{CH}_3$ Ethyl Heptadecanoate CAS RN: 14010-23-2	S0079 25g 250g $\text{CH}_3(\text{CH}_2)_{16}-\text{C}(=\text{O})-\text{OCH}_2\text{CH}_3$ Ethyl Stearate (>96.0%) CAS RN: 111-61-5	S0365 25g $\text{CH}_3(\text{CH}_2)_{16}-\text{C}(=\text{O})-\text{OCH}_2\text{CH}_3$ Ethyl Stearate (>99.0%) CAS RN: 111-61-5
O0143 5mL 25mL  Ethyl Oleate (>95.0%) CAS RN: 111-62-6	O0054 25mL 500mL  Ethyl Oleate (>70.0%) CAS RN: 111-62-6	R0049 25mL  Ethyl Ricinoleate CAS RN: 55066-53-0	L0135 5mL 25mL  Ethyl Linoleate (>97.0%) CAS RN: 544-35-4	N0459 5g 25g $\text{CH}_3(\text{CH}_2)_{17}-\text{C}(=\text{O})-\text{OCH}_2\text{CH}_3$ Ethyl Nonadecanoate CAS RN: 18281-04-4
A0899 5g 25g $\text{CH}_3(\text{CH}_2)_{18}-\text{C}(=\text{O})-\text{OCH}_2\text{CH}_3$ Ethyl Arachidate CAS RN: 18281-05-5	E0442 200mg  EPA Ethyl Ester CAS RN: 86227-47-6	E0853 25g  EPA Ethyl Ester (stabilized with Tocopherols) CAS RN: 86227-47-6	D1014 5mL 25mL  Ethyl Erucate CAS RN: 37910-77-3	D2195 100mg  DHA Ethyl Ester CAS RN: 84494-72-4

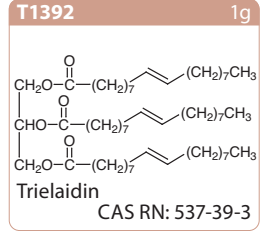
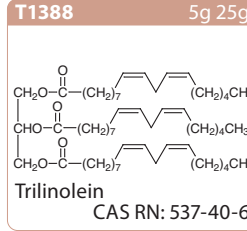
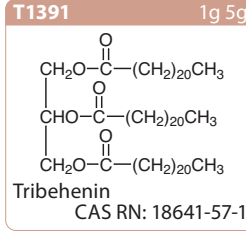
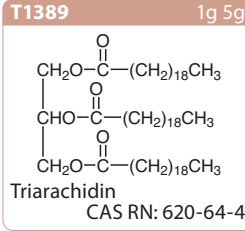
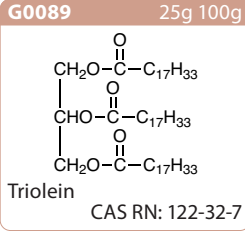
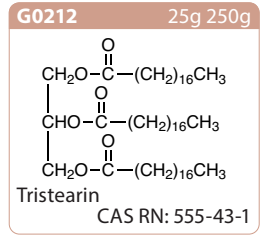
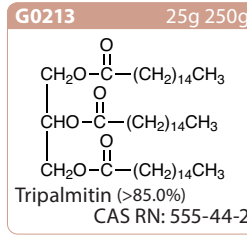
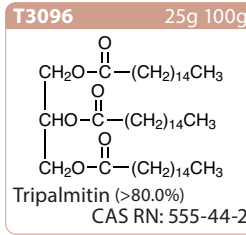
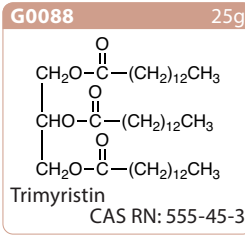
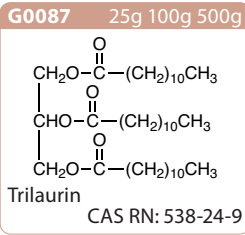
<p>L0111 5g</p> <chem>CC(C)CCCCCCCCCCCCCCCCCCCCCCCC(=O)OCC</chem> <p>Ethyl Lignocerate CAS RN: 24634-95-5</p>	<p>脂肪酸 コレステロール エステル</p>	<p>C0319 25g</p>  <p>Cholesterol Acetate CAS RN: 604-35-3</p>	<p>C0676 10g 25g</p>  <p>Cholesterol Propionate CAS RN: 633-31-8</p>	<p>C0668 25g</p>  <p>Cholesterol Butyrate CAS RN: 521-13-1</p>
<p>C0673 25g</p>  <p>Cholesterol Hexanoate CAS RN: 1062-96-0</p>		<p>C0334 5g 25g</p>  <p>Cholesterol <i>n</i>-Octanoate CAS RN: 1182-42-9</p>	<p>N0347 25g 500g</p>  <p>Cholesterol Pelargonate CAS RN: 1182-66-7</p>	<p>C0618 25g</p>  <p>Cholesterol Decanoate CAS RN: 1183-04-6</p>
<p>C0675 10g 25g</p>  <p>Cholesterol Myristate CAS RN: 1989-52-2</p>	<p>C0322 5g 25g</p>  <p>Cholesterol Palmitate CAS RN: 601-34-3</p>	<p>C0323 25g</p>  <p>Cholesterol Stearate CAS RN: 35602-69-8</p>	<p>C0559 25g 100g 500g</p>  <p>Cholesterol Oleate CAS RN: 303-43-5</p>	<p>C0321 25g</p>  <p>Cholesterol Linoleate CAS RN: 604-33-1</p>
<p>その他の 脂肪酸 エステル</p>	<p>A2179 25mL 500mL</p> <chem>CCCCCCCC(=O)O/C=C</chem> <p>Allyl Hexanoate CAS RN: 123-68-2</p>	<p>A2119 25g 250g</p> <chem>CCCCCCCC(=O)O/C=C</chem> <p>Allyl Heptanoate CAS RN: 142-19-8</p>	<p>C0896 25mL 500mL</p> <chem>CCCCCCCC(=O)OC</chem> <p>Vinyl <i>n</i>-Octanoate (stabilized with MEHQ) CAS RN: 818-44-0</p>	<p>O0157 25mL</p> <chem>CCCCCCCC(=O)OC(C)C</chem> <p>Isopropyl <i>n</i>-Octanoate CAS RN: 5458-59-3</p>
	<p>P2113 25mL</p> <chem>CCCCCCCC(=O)OCC</chem> <p>Propyl <i>n</i>-Octanoate CAS RN: 624-13-5</p>	<p>A2679 25mL</p> <chem>CCCCCCCC(=O)O/C=C</chem> <p>Allyl Nonanoate CAS RN: 7493-72-3</p>	<p>C0895 25mL 500mL</p> <chem>CCCCCCCC(=O)O/C=C</chem> <p>Vinyl Decanoate (stabilized with MEHQ) CAS RN: 4704-31-8</p>	<p>O0029 25mL</p> <chem>CCCCCCCC(=O)OCC</chem> <p>Butyl <i>n</i>-Octanoate CAS RN: 589-75-3</p>
<p>U0057 25mL</p> <chem>C=CCCCCCCC(=O)O/C=C</chem> <p>Vinyl 10-Undecenoate (stabilized with MEHQ) CAS RN: 5299-57-0</p>	<p>O0028 25mL 500mL</p> <chem>CCCCCCCC(=O)OCC</chem> <p>Amyl <i>n</i>-Octanoate CAS RN: 638-25-5</p>	<p>O0031 25mL</p> <chem>CCCCCCCC(=O)OC(C)C</chem> <p>Isoamyl <i>n</i>-Octanoate (contains 2-Methylbutyl <i>n</i>-Octanoate) CAS RN: 2035-99-6</p>	<p>L0090 25mL 500mL</p> <chem>CCCCCCCC(=O)O/C=C</chem> <p>Vinyl Laurate (stabilized with MEHQ) CAS RN: 2146-71-6</p>	<p>D0020 25mL</p> <chem>CCCCCCCC(=O)OCC(C)C</chem> <p>Butyl Decanoate CAS RN: 30673-36-0</p>
<p>B0760 25mL 500mL</p> <chem>CCCC(=O)OCC(C)C</chem> <p>Isoamyl Butyrate CAS RN: 106-27-4</p>	<p>I0196 25mL 500mL</p> <chem>CC(C)CC(=O)OCC(C)C</chem> <p>Isoamyl Isovalerate CAS RN: 659-70-1</p>	<p>B1891 25mL 500mL</p> <chem>CCCC(=O)OCCCC</chem> <p>Hexyl Butyrate CAS RN: 2639-63-6</p>	<p>C1514 25mL 500mL</p> <chem>CCCCC(=O)OCCCC</chem> <p>Hexyl Hexanoate CAS RN: 6378-65-0</p>	<p>D0018 25mL</p> <chem>CCCCCCCC(=O)OCCCC</chem> <p>Amyl Decanoate CAS RN: 5933-87-9</p>
<p>D0019 25mL</p> <chem>CCCCCCCC(=O)OCC(C)C</chem> <p>Isoamyl Decanoate CAS RN: 2306-91-4</p>	<p>L0083 25mL 500mL</p> <chem>CCCCCCCC(=O)OCC(C)C</chem> <p>Butyl Laurate CAS RN: 106-18-3</p>	<p>L0084 25mL 500mL</p> <chem>CCCCCCCC(=O)OCC(C)C</chem> <p>Isobutyl Laurate CAS RN: 37811-72-6</p>	<p>L0012 25mL 500mL</p> <chem>CCCCCCCC(=O)OCCCC</chem> <p>Amyl Laurate CAS RN: 5350-03-8</p>	<p>L0014 25mL</p> <chem>CCCCCCCC(=O)OCC(C)C</chem> <p>Isoamyl Laurate CAS RN: 6309-51-9</p>

<p>M0481 25mL 500mL</p>  <p>Isopropyl Myristate CAS RN: 110-27-0</p>	<p>D0973 1g 5g</p>  <p>Lauroylcholine Chloride CAS RN: 25234-60-0</p>	<p>P0848 25mL 500mL</p>  <p>Vinyl Palmitate (stabilized with MEHQ) CAS RN: 693-38-9</p>	<p>E1435 25g 250g</p>  <p>2-Ethylhexyl Palmitate CAS RN: 29806-73-3</p>	<p>H0107 25mL 500mL</p>  <p>Butyl Hexanoate CAS RN: 626-82-4</p>
<p>I0197 25mL 500mL</p>  <p>Isobutyl Isovalerate CAS RN: 589-59-3</p>	<p>B4322 25mL</p>  <p>Butyl Valerate CAS RN: 591-68-4</p>	<p>B3359 25mL 500mL</p>  <p>Butyl 2-Methylvalerate CAS RN: 6297-41-2</p>	<p>B6101 25mL 100mL</p>  <p>Butyl 2-Methylbutyrate CAS RN: 15706-73-7</p>	<p>M0477 25mL 500mL</p>  <p>Butyl Myristate CAS RN: 110-36-1</p>
<p>M0555 25mL</p>  <p>Isobutyl Myristate CAS RN: 25263-97-2</p>	<p>L0107 25mL</p>  <p>Benzyl Laurate CAS RN: 140-25-0</p>	<p>P0005 25mL 500mL</p>  <p>Isopropyl Palmitate CAS RN: 142-91-6</p>	<p>S0241 25g 100g</p>  <p>Vinyl Stearate (stabilized with MEHQ) CAS RN: 111-63-7</p>	<p>P0649 25mL</p>  <p>Butyl Palmitate CAS RN: 111-06-8</p>
<p>P0651 25mL</p>  <p>Isobutyl Palmitate CAS RN: 110-34-9</p>	<p>L0139 25mL 500mL</p>  <p>Isopropyl Linoleate CAS RN: 22882-95-7</p>	<p>A0879 25mL 500mL</p>  <p>Methyl O-Acetylricinoleate CAS RN: 140-03-4</p>	<p>S0366 5g 25g</p>  <p>Glycidyl Stearate CAS RN: 7460-84-6</p>	<p>L0122 5g 25g</p>  <p>2-Naphthyl Laurate CAS RN: 6343-73-3</p>
<p>R0045 25mL 500mL</p>  <p>Butyl Ricinoleate CAS RN: 151-13-3</p>	<p>S0077 25g 400g</p>  <p>Butyl Stearate CAS RN: 123-95-5</p>	<p>M0780 10g</p>  <p>2-Naphthyl Myristate CAS RN: 7262-80-8</p>	<p>O0007 5g 25g</p>  <p>Phenyl Stearate CAS RN: 637-55-8</p>	<p>P0738 25g</p>  <p>Pentaerythritol Distearate (mixture) CAS RN: 13081-97-5</p>
<p>P0739 25g 500g</p>  <p>Pentaerythritol Tetrastearate (contains palmitate) CAS RN: 115-83-3</p>	<p>A0021 25mL 500mL</p>  <p>Amyl Acetate CAS RN: 628-63-7</p>	<p>A0033 25mL 500mL</p>  <p>Isoamyl Acetate CAS RN: 123-92-2</p>	<p>A0034 25mL 500mL</p>  <p>Isobutyl Acetate CAS RN: 110-19-0</p>	<p>A0041 25mL 500mL</p>  <p>Nonyl Acetate CAS RN: 143-13-5</p>
<p>A0904 25mL 500mL</p>  <p>Heptyl Acetate CAS RN: 112-06-1</p>	<p>A0934 25mL 500mL</p>  <p>Oleyl Acetate CAS RN: 693-80-1</p>	<p>B6116 25g</p>  <p>Benzyl Octanoate CAS RN: 10276-85-4</p>	ワックス	
<p>D1080 25mL 500mL</p>  <p>Decyl Decanoate CAS RN: 1654-86-0</p>				
<p>I0662 25g 500g</p>  <p>3-Isoamyl-6-methyl-2-heptyl Myristate CAS RN: 88332-30-3</p>	<p>S0078 25g</p>  <p>Dodecyl Stearate CAS RN: 5303-25-3</p>	<p>P1077 25g 500g</p>  <p>Hexadecyl Palmitate CAS RN: 540-10-3</p>	脂肪族 アルデヒド	
<p>B0751 25mL 500mL</p>  <p>Butyraldehyde CAS RN: 123-72-8</p>				

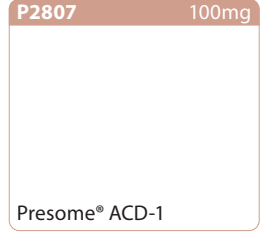
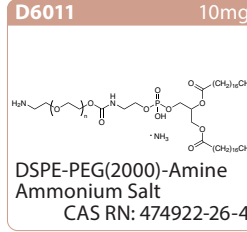
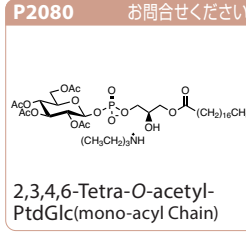
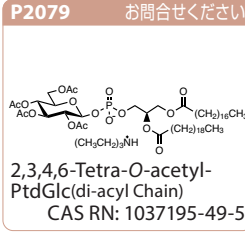
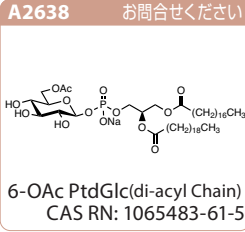
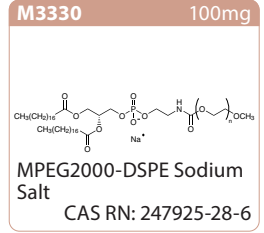
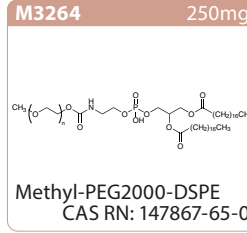
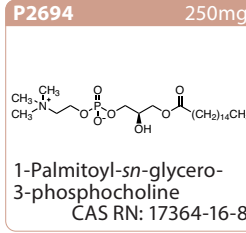
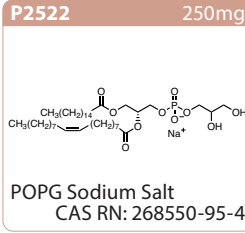
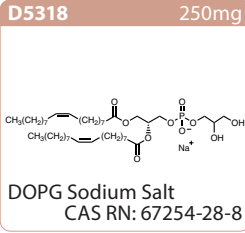
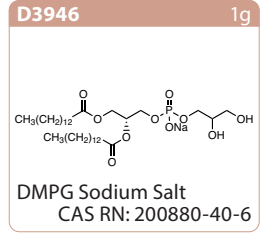
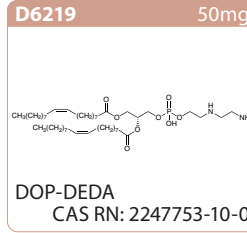
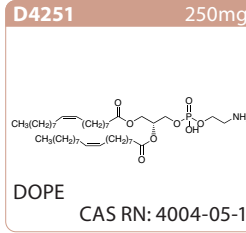
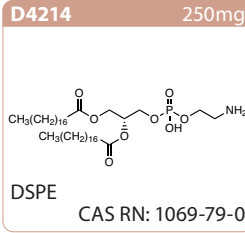
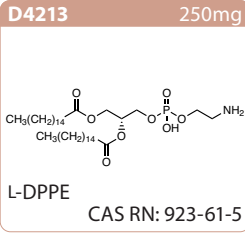
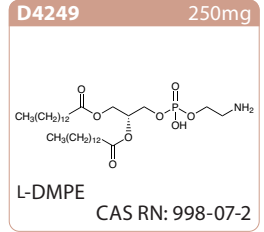
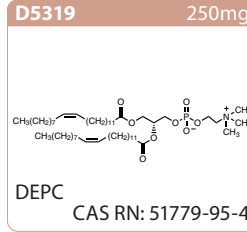
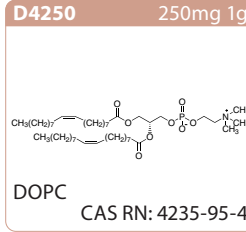
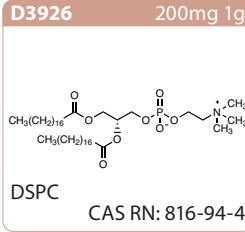
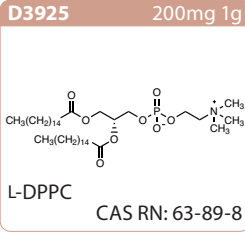
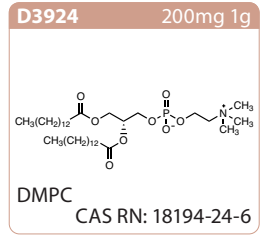
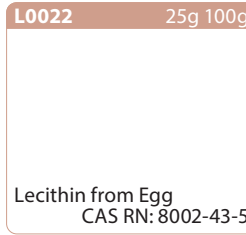
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<p>D0032 25mL 500mL</p>  <p>Decanal CAS RN: 112-31-2</p>	<p>D6104 200mg</p>  <p>(±)-Dihydrocitronellal CAS RN: 5988-91-0</p>	<p>U0009 25mL 250mL</p>  <p>Undecanal CAS RN: 112-44-7</p>	<p>D0979 25mL 500mL</p>  <p>Dodecanal (stabilized with DL-α-Tocopherol) CAS RN: 112-54-9</p>	<p>T0410 5mL</p>  <p>Tridecanal CAS RN: 10486-19-8</p>
<p>T2696 1g</p>  <p>Tetradecanal CAS RN: 124-25-4</p>	<p>M3275 1g</p>  <p>12-Methyltridecanal CAS RN: 75853-49-5</p>	<p>P1869 1g</p>  <p>Pentadecanal CAS RN: 2765-11-9</p>	<p>H1296 1g</p>  <p>Hexadecanal CAS RN: 629-80-1</p>	<p>H1295 1g</p>  <p>Heptadecanal CAS RN: 629-90-3</p>
<p>O0368 1g</p>  <p>Octadecanal CAS RN: 638-66-4</p>	<p>C0414 25mL 500mL</p>  <p>Crotonaldehyde (<i>cis</i>- and <i>trans</i>-mixture) CAS RN: 4170-30-3</p>	<p>P1790 5g 25g</p>  <p><i>trans</i>-2-Pentenal CAS RN: 1576-87-0</p>	<p>H0345 25mL 100mL 500mL</p>  <p><i>trans</i>-2-Hexenal CAS RN: 6728-26-3</p>	<p>H0579 5mL 25mL</p>  <p><i>trans</i>-2-Heptenal CAS RN: 18829-55-5</p>
<p>H0520 5mL 25mL</p>  <p><i>cis</i>-4-Heptenal CAS RN: 6728-31-0</p>	<p>O0176 10mL 25mL</p>  <p><i>trans</i>-2-Octenal CAS RN: 2548-87-0</p>	<p>N0483 5mL 25mL</p>  <p><i>trans</i>-2-Nonenal CAS RN: 18829-56-6</p>	<p>N0430 25mL</p>  <p><i>trans</i>-2-Nonenal (contains <i>trans</i>-2-Nonenal Diethyl Acetal) (ca. 10% in Ethanol, ca. 0.57mol/L) CAS RN: 18829-56-6</p>	<p>D1642 5mL 25mL</p>  <p><i>trans</i>-2-Decenal CAS RN: 3913-81-3</p>
<p>U0046 5mL 25mL</p>  <p><i>trans</i>-2-Undecenal CAS RN: 53448-07-0</p>	<p>U0011 25mL</p>  <p>10-Undecenal CAS RN: 112-45-8</p>	<p>D2068 25mL</p>  <p><i>trans</i>-2-Dodecenal CAS RN: 20407-84-5</p>	<p>H0679 1g 10g</p>  <p><i>cis</i>-11-Hexadecenal CAS RN: 53939-28-9</p>	<p>H0581 25mL</p>  <p>2,4-Hexadienal CAS RN: 80466-34-8</p>
<p>H0681 5mL</p>  <p><i>trans,trans</i>-2,4-Heptadienal CAS RN: 4313-03-5</p>	<p>N0521 5mL</p>  <p><i>trans,trans</i>-2,4-Nonadienal CAS RN: 5910-87-2</p>	<p>N0836 1g 5g</p>  <p><i>trans,cis</i>-2,6-Nonadienal CAS RN: 557-48-2</p>	<p>D1934 5mL 25mL</p>  <p><i>trans,trans</i>-2,4-Decadienal CAS RN: 25152-84-5</p>	<p>M3275 1g</p>  <p>12-Methyltridecanal CAS RN: 75853-49-5</p>
<p>脂肪族 アルコール</p>		<p>P0491 25mL 500mL</p>  <p>1-Propanol CAS RN: 71-23-8</p>	<p>B0704 25mL 500mL</p>  <p>1-Butanol CAS RN: 71-36-3</p>	<p>P0055 25mL 500mL</p>  <p>1-Pentanol CAS RN: 71-41-0</p>

H0130 25mL 500mL  1-Hexanol CAS RN: 111-27-3	H0033 25mL 500mL  1-Heptanol CAS RN: 111-70-6	O0036 25mL 500mL  1-Octanol CAS RN: 111-87-5	N0292 25mL 500mL  1-Nonanol CAS RN: 143-08-8	D0031 25mL 500mL  1-Decanol CAS RN: 112-30-1
U0005 25mL 100mL 500mL  1-Undecanol CAS RN: 112-42-5	D0978 25g 400g  1-Dodecanol CAS RN: 112-53-8	T0803 25g $\text{CH}_3(\text{CH}_2)_{12}\text{OH}$ 1-Tridecanol CAS RN: 112-70-9	T0414 25mL 500mL Tridecanol (mixture of isomers) CAS RN: 26248-42-0	T0084 25mL 500mL $\text{CH}_3(\text{CH}_2)_{13}\text{OH}$ 1-Tetradecanol CAS RN: 112-72-1
P0036 25g 100g 500g $\text{CH}_3(\text{CH}_2)_{14}\text{OH}$ 1-Pentadecanol CAS RN: 629-76-5	H0071 25g 500g $\text{CH}_3(\text{CH}_2)_{15}\text{OH}$ 1-Hexadecanol CAS RN: 36653-82-4	H0018 5g 25g $\text{CH}_3(\text{CH}_2)_{16}\text{OH}$ 1-Heptadecanol CAS RN: 1454-85-9	O0006 25g 500g $\text{CH}_3(\text{CH}_2)_{17}\text{OH}$ 1-Octadecanol CAS RN: 112-92-5	N0284 5g 25g $\text{CH}_3(\text{CH}_2)_{18}\text{OH}$ 1-Nonadecanol CAS RN: 1454-84-8
E0004 25g 500g $\text{CH}_3(\text{CH}_2)_{19}\text{OH}$ 1-Eicosanol CAS RN: 629-96-9	H0011 10g $\text{CH}_3(\text{CH}_2)_{20}\text{OH}$ 1-Heneicosanol CAS RN: 15594-90-8	D0964 25g 500g $\text{CH}_3(\text{CH}_2)_{21}\text{OH}$ 1-Docosanol CAS RN: 661-19-8	T0403 100mg $\text{CH}_3(\text{CH}_2)_{22}\text{OH}$ 1-Tricosanol CAS RN: 3133-01-5	T0593 1g 5g $\text{CH}_3(\text{CH}_2)_{23}\text{OH}$ 1-Tetracosanol CAS RN: 506-51-4
H0342 100mg 1g $\text{CH}_3(\text{CH}_2)_{25}\text{OH}$ 1-Hexacosanol CAS RN: 506-52-5	O0199 100mg 1g $\text{CH}_3(\text{CH}_2)_{27}\text{OH}$ 1-Octacosanol CAS RN: 557-61-9	T1049 100mg 1g $\text{CH}_3(\text{CH}_2)_{29}\text{OH}$ 1-Triacontanol CAS RN: 593-50-0	不飽和脂肪族 アルコール	
B0696 25mL $\text{CH}_3\text{CH}=\text{CHCH}_2\text{OH}$ Crotyl Alcohol (<i>cis</i> - and <i>trans</i> -mixture) CAS RN: 6117-91-5	P1199 5mL 25mL  <i>cis</i> -2-Penten-1-ol CAS RN: 1576-95-0	P1243 25mL 250mL  4-Penten-1-ol CAS RN: 821-09-0	H0124 25mL 100mL  <i>cis</i> -3-Hexen-1-ol CAS RN: 928-96-1	H0346 25g 250g  <i>trans</i> -2-Hexen-1-ol CAS RN: 928-95-0
H0653 10mL 25mL 250mL  5-Hexen-1-ol CAS RN: 821-41-0	H0751 25mL  <i>cis</i> -2-Hexen-1-ol CAS RN: 928-94-9	H0754 10mL  <i>cis</i> -4-Hexen-1-ol CAS RN: 928-91-6	H0682 5mL  <i>trans</i> -2-Hepten-1-ol CAS RN: 33467-76-4	H0833 5mL 25mL  <i>cis</i> -4-Hepten-1-ol CAS RN: 6191-71-5
H0949 5g 25g  6-Hepten-1-ol CAS RN: 4117-10-6	O0247 10mL 100mL  <i>trans</i> -2-Octen-1-ol CAS RN: 18409-17-1	O0248 25mL  <i>cis</i> -3-Octen-1-ol CAS RN: 20125-84-2	O0250 5mL 25mL  <i>cis</i> -5-Octen-1-ol CAS RN: 64275-73-6	O0280 5mL 25mL  7-Octen-1-ol CAS RN: 13175-44-5

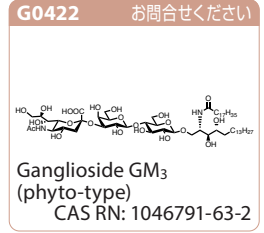
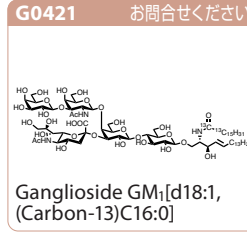
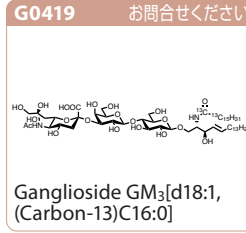
<p>N0469 10mL</p>  <p><i>cis</i>-6-Nonen-1-ol CAS RN: 35854-86-5</p>	<p>N0586 10mL</p>  <p><i>cis</i>-2-Nonen-1-ol CAS RN: 41453-56-9</p>	<p>N0587 10mL</p>  <p><i>trans</i>-2-Nonen-1-ol CAS RN: 31502-14-4</p>	<p>N0588 10mL 25mL</p>  <p><i>cis</i>-3-Nonen-1-ol CAS RN: 10340-23-5</p>	<p>N0650 5g 25g</p>  <p>8-Nonen-1-ol CAS RN: 13038-21-6</p>
<p>D1892 25mL 500mL</p>  <p>9-Decen-1-ol CAS RN: 13019-22-2</p>	<p>D2293 5mL</p>  <p><i>cis</i>-4-Decen-1-ol CAS RN: 57074-37-0</p>	<p>U0047 25mL 500mL</p>  <p>10-Undecen-1-ol CAS RN: 112-43-6</p>	<p>T1502 10mL</p>  <p><i>trans</i>-2-Tridecen-1-ol CAS RN: 68480-25-1</p>	<p>O0225 5mL 25mL</p>  <p>Linoleyl Alcohol CAS RN: 506-43-4</p>
<p>O0058 25mL 500mL</p>  <p>Oleyl Alcohol (>70.0%) CAS RN: 143-28-2</p>	<p>O0572 1g 5g</p>  <p>Oleyl Alcohol (High Purity) (>99.0%) CAS RN: 143-28-2</p>	<p>O0228 1g 5g</p>  <p><i>trans</i>-9-Octadecenol CAS RN: 506-42-3</p>	<p>D1936 5mL</p>  <p><i>trans</i>-2-Dodecenol CAS RN: 69064-37-5</p>	<p>D2174 1g 5g</p>  <p><i>cis</i>-13-Docosenol CAS RN: 629-98-1</p>
<p>エイコサノイド</p>		<p>プロスタグランジン</p>		
		<p>P1884 1mg 10mg</p>  <p>Prostaglandin E₂ CAS RN: 363-24-6</p>	<p>P1885 1mg 10mg</p>  <p>Prostaglandin F_{2a} CAS RN: 551-11-1</p>	<p>L0262 10mg 50mg</p>  <p>Latanoprost CAS RN: 130209-82-4</p>
<p>B6165 5mg 25mg</p>  <p>Bimatoprost CAS RN: 155206-00-1</p>	<p>L0355 50mg</p>  <p>Lubiprostone CAS RN: 136790-76-6</p>	<p>P1917 10mg</p>  <p>Prostaglandin E₁ CAS RN: 745-65-3</p>		
<p>グリセロ脂質</p>				
		<p>M1071 1g 5g</p>  <p>Monocaprylin CAS RN: 26402-26-6</p>	<p>M1072 1g 5g</p>  <p>Monocaprin CAS RN: 26402-22-2</p>	<p>M1073 1g 5g</p>  <p>Monomyristin CAS RN: 589-68-4</p>
<p>G0081 5g 25g</p>  <p>Monolaurin CAS RN: 142-18-7</p>	<p>G0083 25g</p>  <p>Monopalmitin CAS RN: 542-44-9</p>	<p>G0085 25g 500g</p>  <p>Monostearin CAS RN: 123-94-4</p>	<p>G0082 25g 500g</p>  <p>Monoolein CAS RN: 111-03-5</p>	<p>M1075 1g</p>  <p>Monoelaidin CAS RN: 2716-53-2</p>
<p>G0079 10g</p>  <p>α, α'-Dilaurin CAS RN: 539-93-5</p>	<p>T0364 25mL 500mL</p>  <p>Tributyrin CAS RN: 60-01-5</p>	<p>T0441 10mL 25mL</p>  <p>Tricaprin CAS RN: 621-70-5</p>	<p>T0365 25mL</p>  <p>Tricaprylin CAS RN: 538-23-8</p>	<p>T0413 10g 25g</p>  <p>Tricaprin CAS RN: 621-71-6</p>



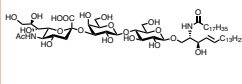
リン脂質



糖脂質

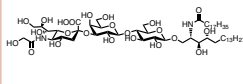


G0489 お問い合わせください



Ganglioside GM₃
CAS RN: 124579-05-1

G0510 お問い合わせください



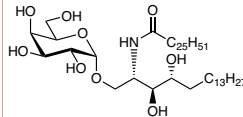
Ganglioside GM₃(Neu5Gc)
(phyto-type)

S0910 お問い合わせください



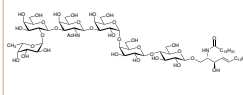
Sialyl nLc₄Cer
CAS RN: 128529-29-3

G0509 1mg



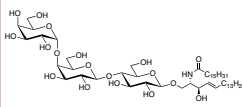
α-Galactosylceramide
CAS RN: 158021-47-7

G0589 1mg 5mg



Globo-H Ceramide
CAS RN: 177475-60-4

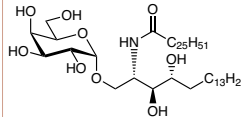
G0624 1mg



Gb₃ Ceramide
CAS RN: 137896-85-6

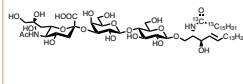
スフィンゴ脂質

G0509 1mg



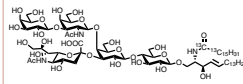
α-Galactosylceramide
CAS RN: 158021-47-7

G0419 お問い合わせください



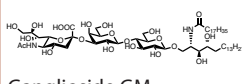
Ganglioside GM₃[d18:1,
(Carbon-13)C16:0]

G0421 お問い合わせください



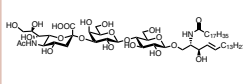
Ganglioside GM₁[d18:1,
(Carbon-13)C16:0]

G0422 お問い合わせください



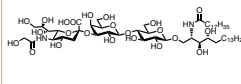
Ganglioside GM₃
(phyto-type)
CAS RN: 1046791-63-2

G0489 お問い合わせください



Ganglioside GM₃
CAS RN: 124579-05-1

G0510 お問い合わせください



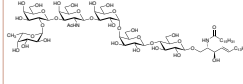
Ganglioside GM₃(Neu5Gc)
(phyto-type)

S0910 お問い合わせください



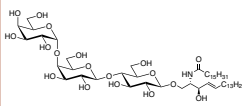
Sialyl nLc₄Cer
CAS RN: 128529-29-3

G0589 1mg 5mg



Globo-H Ceramide
CAS RN: 177475-60-4

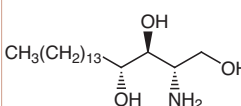
G0624 1mg



Gb₃ Ceramide
CAS RN: 137896-85-6

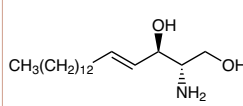
スフィンゴ塩基

P1765 1g 5g



Phytosphingosine
CAS RN: 554-62-1


S0874 25mg



D-Sphingosine
CAS RN: 123-78-4

脂質抽出物 / 油

C0421 5mL 25mL




Croton Oil
CAS RN: 8001-28-3

C0626 25mL 100mL 500mL



Cedar Oil
CAS RN: 8000-27-9

O0051 25g



Origanum Oil
CAS RN: 8007-11-2

東京化成工業株式会社

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