

Sigma Fatty Acids, Glycerides, Oils, and Waxes FT-IR Spectral Library

Introduction

The Sigma Fatty Acids, Glycerides, Oils and Waxes Library consists of 766 FT-IR spectra, of interest to those in the biochemical field. The spectra were originally acquired at 2 cm^{-1} spectral resolution, and then mathematically deresolved when converted to Nicolet library format.

The spectra are listed in this document in alphabetical order by compound name. The index number of each spectrum appears to the left of the name. If you are using Nicolet's OMNIC spectroscopy software, the molecular formula, CAS (Chemical Abstracts Services) registry number, when known, and the location number of the printed spectrum in *The Sigma Library of FT-IR Spectra* are available on-line. The Sigma location number is in the form:

<volume number> - <page number> <spectrum letter>

For example, the spectrum with the location number 1-234B refers to the second (B) spectrum on page 234 of Volume 1.

Abbreviations Used in Compound Names

Since the compound names associated with the spectra are often long, in many cases it has become necessary to abbreviate the full name of the substance. The table below defines the abbreviations used in the name field. The sequential index in this manual or the associated data may be consulted for the full name.

<i>Abbreviation</i>	<i>Name</i>
T-BOC	t-Butoxycarbonyl
:BSA	Bovine Serum Albumin conjugate
CBZ	Carbobenzyloxy
CHA	Cyclohexylammonium
CLPH	Chlorophenyl
CNET	Cyanoethyl
DANSYL	5-Dimethylamino-1-naphthalenesulfonyl
DCHA	Dicyclohexylammonium
DDZ	3,5-Dimethoxy- α,α -dimethylbenzyloxycarbonyl
DMT	4,4'-Dimethoxytrityl
2,4-DNP	2,4-Dinitrophenyl
DNPYR	3,5-Dinitro-2-pyridyl
Fmoc	9-Fluorenylmethoxycarbonyl
IPREN	Isopropylidene

MESYL	Methanesulfonyl
MSOC	2-(Methanesulfonyl)ethoxycarbonyl
MTH	Methylthiohydantoin
PTH	Phenylthiohydantoin
TFA	Trifluoroacet(ate/yl)
TOSYL	p-Toluenesulfonyl

In addition to the above abbreviations, occasionally atomic symbols are used in place of element names: e.g. CL = chloro- or chloride. Also, Greek letters (alpha, beta, gamma,...,omega) are given as their lower-case Roman equivalents (a, b, g,...,w), and the standard abbreviations are used for amino acids in polypeptide names.

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Sigma Fatty Acids, Glycerides, Oils, and Waxes FT-IR Spectral Library

Index of Compounds

No.	Compound Description	No.	Compound Description
464	(E)-11-Tetradecenyl acetate	60	4-Bromobutyric acid
118	(E)-2-Dodecenedioic acid	96	4-Chlorobutyl chloride
99	(E)-5-Decenyl acetate	266	4-Methyl umbelliferyl propionate
115	(E)-7,(Z)-9-Dodecadienyl acetate	267	4-Methyl umbelliferyl stearate
116	(E)-8,(E)-10-Dodecadienyl acetate	261	4-Methylumbelliferyl butyrate
4	(E)-Aconitic acid	262	4-Methylumbelliferyl elaidate
495	(E)-Vaccenic acid	263	4-Methylumbelliferyl heptanoate
497	(E)-Vaccenic acid methyl ester	264	4-Methylumbelliferyl oleate
98	(R)-(+)-2-Chloropropionic acid methyl ester	265	4-Methylumbelliferyl palmitate
139	(Z)-11-Eicosenoic anhydride	402	4-Pentenoic acid
180	(Z)-11-Hexadecenyl acetate	65	5-Bromovaleric acid
463	(Z)-11-Tetradecenyl acetate	66	5-Bromovaleric acid ethyl ester
181	(Z)-3-Hexenyl acetate	121	5-Doxylstearic acid
350	(Z)-3-Nonenyl acetate	124	5-Doxylstearic acid methyl ester
100	(Z)-5-Decenyl acetate	212	6-Ketoprostaglandin E1
177	(Z)-7,(E)-11-Hexadecadienyl acetate	213	6-Ketoprostaglandin F1a
176	(Z)-7,(Z)-11-Hexadecadienyl acetate	122	7-Doxylstearic acid
119	(Z)-7-Dodecenyl acetate	125	7-Doxylstearic acid methyl ester
462	(Z)-7-Tetradecenyl acetate	425	10-(Pyren-1-yl)-decanoic acid
120	(Z)-8-Dodecenyl acetate	188	10-Hydroxydecanoic acid
459	(Z)-9,(E)-11-Tetradecadienyl acetate	12	11-Aminoundecanoic acid
460	(Z)-9,(E)-12-Tetradecadienyl acetate	64	11-Bromoundecanoic acid
179	(Z)-9-Hexadecenyl acetate	137	11-Eicosenoic acid
3	(Z)-Aconitic acid	138	11-Eicosenoic acid methyl ester
494	(Z)-Vaccenic acid	140	11-Eicosenoyl chloride
496	(Z)-Vaccenic acid methyl ester	141	11-Eicosenyl acetate
498	(Z)-Vaccenoyl chloride	11	12-Aminododecanoic acid
499	(Z)-Vaccenyl acetate	43	12-Azidooleic acid
592	1-Monocapryloyl-rac-glycerol	61	12-Bromododecanoic acid
593	1-Monodecanoyl-rac-glycerol	561	1,2-Di-O-hexadecyl-3-palmitoyl-rac-glycerol
597	1-Monolauroyl-rac-glycerol	562	1,2-Di-O-hexadecyl-rac-glycerol
599	1-Monolinolenoyl-rac-glycerol	566	1,2-Dilauroyl-rac-glycerol
600	1-Monolinoleoyl-rac-glycerol	570	1,2-Dimyrystoyl-rac-glycerol
601	1-Monomyristoyl-rac-glycerol	573	1,2-Dioleoyl-rac-glycerol
598	1-Monooleoyl-rac-glycerol	578	1,2-Dipalmitoyl-3-iodo-rac-3-deoxyglycerol
602	1-Monopalmitoleoyl-rac-glycerol	575	1,2-Dipalmitoyl-3-O-benzyl-rac-glycerol
603	1-Monopalmitoyl-rac-glycerol	581	1,2-Dipalmitoyl-3-O-benzyl-sn-glycerol
604	1-Monostearoyl-rac-glycerol; 1-Glyceryl monosterate	579	1,2-Dipalmitoyl-3-p-toluenesulfonyl-rac-glycerol
589	1-O-Hexadecyl-2,3-dipalmitoyl-rac-glycerol	576	1,2-Dipalmitoyl-sn-glycerol
588	1-O-Hexadecyl-rac-glycerol	577	1,2-Dipalmitoyl-sn-glycerol-3-phosphate diphenyl ester
590	1-O-Hexadecyl-rac-glycerol	586	1,2-Distearoyl-rac-glycerol
591	1-O-Hexadecyl-sn-glycerol	123	12-Doxylstearic acid
97	2-(p-Chlorophenoxy)propionic acid	126	12-Doxylstearic acid methyl ester
59	2-Bromobutyric acid	189	12-Hydroxydodecanoic acid
63	2-Bromopropionic acid ethyl ester	551	1,3-Diarachidin
155	2-Ethylbutyric acid	553	1,3-Dicaprin
651	2-N-(Hexadecanoyl)amino-4-nitrophenylphosphorylcholine	558	1,3-Dilaidin; 1,3-Glyceryl bis((E)-9-octadecenoate)
424	2-Propylpentanoic acid	564	1,3-Dilaurin
62	3-Bromopropionic acid	565	1,3-Dilaurin
92	3-Carbomethoxypropionyl chloride	568	1,3-Dimyrstin
268	3-Methyl-N-valeric acid	571	1,3-Diolein
2	4-Acetylbutyric acid	580	1,3-Dipalmitin

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
582	1,3-Dipentadecanoin; 1,3-Glycerol bis(pentadecanoate)	509	Almond oil sweet
584	1,3-Distearin	510	Amylopectin from corn
585	1,3-Distearin	511	Amylopectin from potato
214	15-Ketoprostaglandins E2	512	Amylose azure
127	16-Doxylstearic acid methyl ester	513	Anise oil
191	16-Hydroxyhexadecanoic acid	514	Apricot seed oil
102	2,5-Dibromoadipic acid, meso-	14	Arachidic acid
117	1,12-Dodecanedioic acid	15	Arachidic acid
470	2,2,2-Trichloroacetamide	16	Arachidic acid arachidyl ester
128	11,14-Eicosadienoic acid	17	Arachidic acid behenyl ester
129	11,14-Eicosadienoic acid ethyl ester; Ethyl 11,14-eicosadienoate	18	Arachidic acid ethyl ester
130	11,14-Eicosadienoic acid methyl ester	19	Arachidic acid methyl ester
132	8,11,14-Eicosatrienoic acid	20	Arachidic acid myristyl ester
133	11,14,17-Eicosatrienoic acid	21	Arachidic acid oleoyl ester
135	11,14,17-Eicosatrienoic acid ethyl ester; Ethyl 11,14,17-eicosatrienoate	22	Arachidic acid palmityl ester
136	11,14,17-Eicosatrienoic acid methyl ester	23	Arachidic acid stearyl ester
134	11,14,17-Eicosatrienoic acid, Na salt	24	Arachidic anhydride
353	4,8,12,15-Octadecatetraenoic acid methyl ester	31	Arachidonic acid ethyl ester
352	4,8,12,15-Octadecatetraenoic acid, Na salt	32	Arachidonic acid ethyl ester
131	5,8,11,14,17-Eicosapentaenoic acid, Na salt	33	Arachidonic acid methyl ester
107	4,7,10,13,16,19-Docosahexaenoic acid	34	Arachidonic acid methyl ester
108	4,7,10,13,16,19-Docosahexaenoic acid	35	Arachidonic acid methyl ester
109	4,7,10,13,16,19-Docosahexaenoic acid	36	Arachidonic acid propyl ester
110	4,7,10,13,16,19-Docosahexaenoic acid ethyl ester	27	Arachidonic acid, 70%
111	4,7,10,13,16,19-Docosahexaenoic acid ethyl ester	30	Arachidonic acid, 70%, Na salt
112	4,7,10,13,16,19-Docosahexaenoic acid methyl ester	26	Arachidonic acid, 90%, from porcine liver
113	4,7,10,13,16,19-Docosahexaenoic acid methyl ester	29	Arachidonic acid, 90%, Na salt
114	4,7,10,13,16,19-Docosahexaenoic acid methyl ester	25	Arachidonic acid, 99%, from porcine liver
104	a,a'-Dimercaptodipic acid, meso-	28	Arachidonic acid, 99%, Na salt
105	a,a'-Dimercaptodipic acid, meso-, disodium salt	37	Arachidonyl acetate
192	a-Hydroxyisobutyric acid	38	Arachidoyl chloride
209	a-Ketnonanoic acid	39	Arachidyl acetate
210	a-Ketooctanoic acid	515	Ascophyllan
294	a-Naphthyl acetate	40	Azelaic acid
296	a-Naphthyl butyrate	41	Azelaic acid
298	a-Naphthyl caprate; 1-Naphthyl decanoate	42	Azelaoyl chloride
300	a-Naphthyl caproate	295	b-Naphthyl acetate
302	a-Naphthyl caprylate	297	b-Naphthyl butyrate
304	a-Naphthyl laurate; 1-Naphthyl dodecanoate	299	b-Naphthyl caprate
305	a-Naphthyl myristate	301	b-Naphthyl caproate
307	a-Naphthyl nonanoate	303	b-Naphthyl caprylate; 2-Naphthyl octanoate
309	a-Naphthyl palmitate	306	b-Naphthyl myristate
311	a-Naphthyl propionate	308	b-Naphthyl oleate
313	a-Naphthyl stearate; 1-Naphthyl octadecanoate	310	b-Naphthyl palmitate; 2-Naphthyl hexadecanoate
315	a-Naphthyl valerate; 1-Naphthyl pentanoate	312	b-Naphthyl propionate
1	Acetic acid, glacial	314	b-Naphthyl stearate; 2-Naphthyl octadecanoate
5	Adipic acid	316	b-Naphthyl valerate
6	Adipic acid diethyl ester	516	Bay oil
7	Adipic acid dimethyl ester	44	Behenic acid
8	Adipic acid monoethyl ester	45	Behenic acid
9	Adipic acid monomethyl ester	46	Behenic acid arachidyl ester
10	Adipoyl chloride	47	Behenic acid behenyl ester
503	Agar powder	48	Behenic acid ethyl ester
504	Alginic acid ammonium, Ca salt type V	49	Behenic acid methyl ester
505	Alginic acid, Na salt type IV	50	Behenic acid myristyl ester
506	Alginic acid, Na salt type VI	51	Behenic acid palmityl ester
507	Alginic acid, Na salt type VII	52	Behenic acid stearyl ester
508	Almond oil bitter	53	Behenic anhydride
		54	Behenic anhydride
		55	Behenoyl chloride

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
56	Behenyl acetate	574	Dipalmitin
517	Bergamot oil	583	Distearin
57	Brassicidic acid	13	DL-12-(9-Anthroyl)stearic acid
58	Bromoacetic acid	198	DL-12-Hydroxystearic acid
67	Butyl formate	199	DL-12-Hydroxystearic acid ethyl ester
68	Butyric acid	200	DL-12-Hydroxystearic acid methyl ester
70	Butyric acid ethyl ester	182	DL-a-Hydroxybutyric acid, Ba salt
69	Butyric acid, Na salt	187	DL-a-Hydroxycaproic acid
71	Butyric anhydride	190	DL-a-Hydroxyhexacosanoic acid
518	Cajeput oil	193	DL-a-Hydroxyisocaproic acid
72	Capric acid	195	DL-a-Hydroxyisovaleric acid
73	Capric acid ethyl ester	201	DL-a-Hydroxyvaleric acid, Na salt
74	Capric acid methyl ester	663	DL-a-Lysophosphatidylcholine, g-O-hexadecyl
75	Capric acid propyl ester	690	DL-a-Phosphatidic acid, dipalmitoyl
76	Capric anhydride	691	DL-a-Phosphatidic acid, dipalmitoyl, Na salt
78	Caproic acid ethyl ester	740	DL-a-Phosphatidyl-DL-glycerol, dipalmitoyl, ammonium salt
79	Caproic acid methyl ester	730	DL-a-Phosphatidyl-N,N-dimethylethanolamine, dipalmitoyl
80	Caproic acid propyl ester	707	DL-a-Phosphatidylcholine, b-acetyl-g-O-hexadecyl
77	Caproic acid, N,N-dimethylamide	715	DL-a-Phosphatidylcholine, di-O-hexadecyl
81	Caproic anhydride	717	DL-a-Phosphatidylcholine, dipalmitoyl
82	Caproyl chloride	735	DL-a-Phosphatidylethanolamine, dipalmitoyl
83	Capryl chloride	183	DL-b-Hydroxybutyric acid
85	Caprylic acid	184	DL-b-Hydroxybutyric acid, Na salt
86	Caprylic acid	227	DL-Lauroylcarnitine chloride
88	Caprylic acid ethyl ester	186	DL-S-b-Hydroxybutyryl-N-acetylcysteamine
89	Caprylic acid methyl ester	642	Egg yolks
87	Caprylic acid N-butyl ester	142	Elaidic acid
90	Caprylic acid propyl ester	143	Elaidic acid ethyl ester
84	Caprylic acid, Na salt	144	Elaidic acid methyl ester
91	Caprylic anhydride	145	Elaidic anhydride
519	Carnauba wax no 1	146	Elaidoyl chloride
520	Castor oil	147	Elaidyl acetate
637	Ceramide type III from bovine brain sphingomyelin	148	Erucic acid
638	Ceramide type IV from bovine brain cerebrosides	149	Erucic acid
93	Chloroacetic acid	150	Erucic acid ethyl ester
94	Chloroacetic acid methyl ester	151	Erucic acid methyl ester
95	Chloroacetic anhydride	152	Erucic anhydride; (Z)-13-Docosenoic anhydride
521	Cinnamon oil	153	Erucoyl chloride
522	Clove oil	154	Erucyl acetate; 13-Docosenyl acetate
523	Coconut oil	156	Ethyl isovalerate
524	Cod liver oil	157	Formic acid
525	Corn oil	158	Formic acid ethyl ester
526	Cottonseed oil	159	Formic acid methyl ester
527	Croton oil	185	g-Hydroxybutyric acid, Na salt
196	D-2-Hydroxy-3-methylvaleric acid, Na salt	211	g-Ketopimelic acid dilactone
716	D-a-Phosphatidylcholine, dipalmitoyl	251	g-Linolenic acid
101	Decyl acetate	253	g-Linolenic acid ethyl ester
557	Di-11-eicosenoin; Glyceryl bis(11-eicosenoate)	256	g-Linolenic acid methyl ester
552	Diarachidin, mixed isomers	258	g-Linolenoyl chloride
554	Dicaprin, mixed isomers	639	Galactocerebroside type I from bovine brain
555	Dicaproin	640	Galactocerebroside type II from bovine brain
556	Dicaprylin	643	Gangliosides type II from bovine brain
103	Dichloroacetic acid	644	Gangliosides type III from bovine brain
559	Dierucin	645	Gangliosides type IV from bovine brain
560	Digalactosyl diglyceride	646	Gangliosides type V, Ca salt from bovine brain
563	Dilaurin, mixed isomers	647	Glucocerebrosides
567	Dilinolein	648	Glucopsychosine
106	Dimethylpimilimidate .2HCl	528	Gum accroides
569	Dimyristin	529	Gum arabic
572	Diolein	530	Gum damar dewaxed

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
531	Gum damar not dewaxed	688	L-a-Phosphatidic acid, dimyristoyl, Na salt
532	Gum elemi	689	L-a-Phosphatidic acid, dioleoyl, Na salt
533	Gum ghatti	692	L-a-Phosphatidic acid, dipalmitoyl
534	Gum guaiac	693	L-a-Phosphatidic acid, dipalmitoyl, Ca salt
535	Gum locust bean	694	L-a-Phosphatidic acid, dipalmitoyl, Na salt
536	Gum mastic	695	L-a-Phosphatidic acid, distearoyl, Na salt
537	Gum pontianak	686	L-a-Phosphatidic acid, Na salt from egg yolk lecithin
538	Gum storax	748	L-a-Phosphatidyl(N-palmitoyl)ethanolamine, dipalmitoyl
539	Gum tragacanth	709	L-a-Phosphatidyl-choline, dibehenoyl
540	Gum xanthan	739	L-a-Phosphatidyl-DL-glycerol, dimyristoyl, ammonium salt
160	Heneicosanoic acid	741	L-a-Phosphatidyl-DL-glycerol, dipalmitoyl, ammonium salt
161	Heneicosanoic acid methyl ester	742	L-a-Phosphatidyl-DL-glycerol, distearoyl, ammonium salt
162	Heneicosanoic acid methyl ester	738	L-a-Phosphatidyl-DL-glycerol, Na salt
163	Heneicosyl acetate	734	L-a-Phosphatidyl-ethanolamine, dimyristoyl
164	Heptadecanoic acid	749	L-a-Phosphatidyl-L-serine from bovine brain
165	Heptadecanoic acid ethyl ester	728	L-a-Phosphatidyl-N,N-dimethylethanolamine, dipalmitoyl
166	Heptadecanoic acid methyl ester	729	L-a-Phosphatidyl-N,N-dimethylethanolamine, dipalmitoyl
167	Heptadecanoic acid methyl ester	747	L-a-Phosphatidyl-N-monomethylethanolamine, dipalmitoyl
168	Heptadecanoic anhydride	697	L-a-Phosphatidylcholine type I-EH, hydrogenated
169	Heptadecanoyl chloride	700	L-a-Phosphatidylcholine type II-S from soybean
170	Heptadecanyl acetate	696	L-a-Phosphatidylcholine type III-B from bovine brain
171	Heptanoic acid	698	L-a-Phosphatidylcholine type III-E from egg yolk
172	Heptanoic acid ethyl ester	699	L-a-Phosphatidylcholine type III-H from bovine heart
173	Heptanoic acid methyl ester	701	L-a-Phosphatidylcholine type IV-S from soybean
174	Heptanoyl chloride	702	L-a-Phosphatidylcholine type V-E from egg yolk
175	Heptanyl acetate	703	L-a-Phosphatidylcholine type V-EA from egg yolk
178	Hexadecanedioic acid	705	L-a-Phosphatidylcholine type XII-E from turkey egg yolk
202	Iodoacetic acid	706	L-a-Phosphatidylcholine, b-acetyl-g-O-hexadecyl
203	Iodoacetic acid, Na salt	722	L-a-Phosphatidylcholine, b-linoleoyl-g-palmitoyl
204	Isoamyl acetate	723	L-a-Phosphatidylcholine, b-O-methyl-g-O-octadecyl
205	Isobutyric acid methyl ester	724	L-a-Phosphatidylcholine, b-oleoyl-g-palmitoyl
206	Isostearic acid	725	L-a-Phosphatidylcholine, b-oleoyl-g-stearoyl
207	Isovaleric acid	726	L-a-Phosphatidylcholine, b-palmitoyl-g-oleoyl
208	Isovaleryl chloride	727	L-a-Phosphatidylcholine, b-stearoyl-g-oleoyl
541	Jajoba bean oil	708	L-a-Phosphatidylcholine, diarachidoyl
197	L-2-Hydroxy-3-methylvaleric acid, Na salt	710	L-a-Phosphatidylcholine, didecanoyl
650	L-a-Glycerophosphorylcholine, CdCl ₂ complex, 95%	711	L-a-Phosphatidylcholine, dielaidoyl
649	L-a-Glycerophosphorylcholine, CdCl ₂ complex, 98%	712	L-a-Phosphatidylcholine, diheptadecanoyl
194	L-a-Hydroxyisocaproic acid	713	L-a-Phosphatidylcholine, dilauroyl
673	L-a-Lysophosphatidyl ethanolamine, palmitoyl	714	L-a-Phosphatidylcholine, dimyristoyl
674	L-a-Lysophosphatidyl-DL-glycerol	718	L-a-Phosphatidylcholine, dipalmitoyl
676	L-a-Lysophosphatidyl-L-serine from bovine brain	719	L-a-Phosphatidylcholine, dipalmitoyl
656	L-a-Lysophosphatidylcholine type I from egg yolk	720	L-a-Phosphatidylcholine, distearoyl
657	L-a-Lysophosphatidylcholine type III from bovine liver	721	L-a-Phosphatidylcholine, diundecanoyl
658	L-a-Lysophosphatidylcholine type V from bovine brain	731	L-a-Phosphatidylethanolamine type II-S from sheep brain
659	L-a-Lysophosphatidylcholine type VI from soybeans	732	L-a-Phosphatidylethanolamine type VI from dog brain
660	L-a-Lysophosphatidylcholine, caproyl	733	L-a-Phosphatidylethanolamine, dilauroyl
661	L-a-Lysophosphatidylcholine, decanoyl	736	L-a-Phosphatidylethanolamine, dipalmitoyl
662	L-a-Lysophosphatidylcholine, heptadecanoyl	737	L-a-Phosphatidylethanolamine, distearoyl
664	L-a-Lysophosphatidylcholine, lauroyl	743	L-a-Phosphatidylinositol
665	L-a-Lysophosphatidylcholine, myristoyl	745	L-a-Phosphatidylinositol 4,5-diphosphate, Na salt
666	L-a-Lysophosphatidylcholine, oleoyl	746	L-a-Phosphatidylinositol 4-monophosphate, Na salt
667	L-a-Lysophosphatidylcholine, palmitoyl	744	L-a-Phosphatidylinositol, Na salt from soybean
668	L-a-Lysophosphatidylcholine, stearoyl	704	La-phosphatidylcholine, type X-E from egg yolk
669	L-a-Lysophosphatidylethanolamine type I from egg yolk	542	Lanolin
670	L-a-Lysophosphatidylethanolamine type III from bovine liver	215	Lauric acid
671	L-a-Lysophosphatidylethanolamine type IV from sheep brain	217	Lauric acid arachidyl ester
672	L-a-Lysophosphatidylethanolamine type V from bovine brain	218	Lauric acid behenyl ester
675	L-a-Lysophosphatidylinositol, Na salt	219	Lauric acid butyl ester
687	L-a-Phosphatidic acid, dilauroyl, Na salt	221	Lauric acid lauryl ester

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
222	Lauric acid methyl ester	292	Myristoylcholine iodide
223	Lauric acid myristyl ester	293	Myristyl acetate
220	Lauric acid N,N-dimethylamide	641	N-Dinitrophenylphosphatidylethanolamine
224	Lauric acid oleoyl ester	652	N-Lignoceroyl dihydrogalactocerebroside
225	Lauric acid propyl ester	653	N-Lignoceroyl dihydroglucocerebroside
216	Lauric acid, Na salt	654	N-Lignoceroyl dihydrolactocerebroside
226	Lauric anhydride	484	N-(2,4,6-Trinitrophenyl)-12-aminolauric acid
228	Lauroyl chloride	231	N-Lauroylsarcosine
229	Lauroylcholine chloride	232	N-Lauroylsarcosine, Na salt
230	Lauroylcholine iodide	655	N-Lignoceroyl-DL-dihydrosphingosine
233	Lauryl acetate	677	N-Oleoyl cerebroside
234	Lignoceric acid	678	N-Oleoyl-D-sphingomyelin
235	Lignoceric acid methyl ester	679	N-Palmitoyl cerebroside
236	Linoleic acid	684	N-Palmitoyl-D-sphingomyelin
237	Linoleic acid	685	N-Palmitoyl-D-sphingosine
238	Linoleic acid	680	N-Palmitoyl-DL-dihydrogalactocerebroside
240	Linoleic acid ethyl ester	681	N-Palmitoyl-DL-dihydroglucocerebroside
241	Linoleic acid methyl ester	682	N-Palmitoyl-DL-dihydrogalactocerebroside
242	Linoleic acid methyl ester	683	N-Palmitoyl-DL-dihydrosphingosine
243	Linoleic acid propyl ester	758	N-Stearoyl cerebroside
239	Linoleic acid, Na salt	764	N-Stearoyl-D-sphingosine
244	Linoleic anhydride	760	N-Stearoyl-DL-dihydrogalactocerebroside
245	Linolelaidic acid	761	N-Stearoyl-DL-dihydroglucocerebroside
246	Linolelaidic acid ethyl ester	762	N-Stearoyl-DL-dihydrogalactocerebroside
247	Linolelaidic acid methyl ester	763	N-Stearoyl-DL-dihydrosphingosine
248	Linolelaidoyl chloride	766	N-Trinitrophenyl phosphatidylethanolamine
249	Linolelaidyl acetate	587	Na,Ne-Distearoyl-L-lysine
250	Linolenic acid	317	Nervonic acid
252	Linolenic acid ethyl ester	318	Nervonic acid methyl ester
254	Linolenic acid methyl ester	339	Nonadecanoic acid
255	Linolenic acid methyl ester	340	Nonadecanoic acid ethyl ester
257	Linolenic anhydride	341	Nonadecanoic acid methyl ester
259	Linoleoyl chloride	342	Nonadecanoyl chloride
260	Linoleyl acetate	343	Nonadecanyl acetate
594	Mono-11-eicosenoin	344	Nonanoic acid
595	Monoelaidin	346	Nonanoic acid ethyl ester
596	Monoerucin	347	Nonanoic acid methyl ester
270	Monofluoroacetic acid ethyl ester	348	Nonanoic acid propyl ester
269	Monofluoroacetic acid, Na salt	345	Nonanoic acid, Na salt
271	Myristic acid	349	Nonanoyl chloride
272	Myristic acid	351	Nonyl acetate
274	Myristic acid arachidyl ester	319	o-Nitrophenyl butyrate
275	Myristic acid behenyl ester	321	o-Nitrophenyl caprate; 2-Nitrophenyl decanoate
277	Myristic acid ethyl ester	323	o-Nitrophenyl caproate; 2-Nitrophenyl hexanoate
278	Myristic acid isopropyl ester	325	o-Nitrophenyl caprylate; 2-Nitrophenyl octanoate
279	Myristic acid isopropyl ester	327	o-Nitrophenyl laurate; 2-Nitrophenyl dodecanoate
280	Myristic acid methyl ester	329	o-Nitrophenyl myristate
281	Myristic acid myristyl ester	331	o-Nitrophenyl palmitate; 2-Nitrophenyl hexadecanoate
276	Myristic acid N,N-dimethylamide	333	o-Nitrophenyl propionate
282	Myristic acid palmityl ester	335	o-Nitrophenyl stearate; 2-Nitrophenyl octadecanoate
283	Myristic acid propyl ester	337	o-Nitrophenyl valerate
273	Myristic acid, Na salt	752	O-Phosphorylethanolamine
284	Myristic anhydride	354	Octanoyl chloride
285	Myristic anhydride	356	Oleic acid
286	Myristoleic acid	357	Oleic acid arachidyl ester; Eicosyl (Z)-9-octadecenoate
287	Myristoleic acid ethyl ester	358	Oleic acid butyl ester
288	Myristoleic acid methyl ester	359	Oleic acid butyl ester
290	Myristoyl chloride	360	Oleic acid ethyl ester
289	Myristoyl-DL-carnitine chloride	361	Oleic acid lauryl ester
291	Myristoylcholine chloride	362	Oleic acid methyl ester

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
363	Oleic acid palmityl ester	410	Petroselinic acid methyl ester; Methyl (Z)-6-octadecenoate
364	Oleic acid propyl ester	408	Petroselinic acid, Na salt
365	Oleic acid stearyl ester	411	Petroselinoyl chloride
355	Oleic acid, Na salt	412	Petroselinyl acetate; (Z)-6-Octadecenyl acetate
366	Oleic anhydride	750	Phosphoinositides, Na salt from bovine brain
367	Oleoyl chloride	413	Phosphonoformic acid, trisodium salt .6H ₂ O
368	Oleyl acetate	751	Phosphorylcholine chloride, Ca salt
543	Olive oil	414	Pimelic acid
544	Origanum oil from thymus capitatus	415	Pimelic acid diethyl ester
320	p-Nitrophenyl butyrate	416	Pimelonitrile
322	p-Nitrophenyl caprate; 4-Nitrophenyl decanoate	417	Pivalic acid ethyl ester
324	p-Nitrophenyl caproate; 4-Nitrophenyl hexanoate	418	Pivalic acid methyl ester
326	p-Nitrophenyl caprylate; 4-Nitrophenyl octanoate	419	Propionic acid
328	p-Nitrophenyl laurate; 4-Nitrophenyl dodecanoate	422	Propionic acid ethyl ester
330	p-Nitrophenyl myristate	423	Propionic acid methyl ester
332	p-Nitrophenyl palmitate	420	Propionic acid, hemicalcium salt
334	p-Nitrophenyl propionate	421	Propionic acid, Na salt
336	p-Nitrophenyl stearate	753	Psychosine
338	p-Nitrophenyl valerate	428	Ricinelaic acid ethyl ester; Ethyl (E)-12-hydroxy-9-octadecenoate
369	Palmitelaidic acid	429	Ricinelaic acid methyl ester; Methyl (E)-12-hydroxy-9-octadecenoate
370	Palmitelaidic acid ethyl ester; Ethyl (E)-9-hexadecenoate	427	Ricinelaic acid, Na salt; (E)-12-Hydroxy-9-octadecenoic acid, Na salt
371	Palmitelaidic acid methyl ester; Methyl (E)-9-hexadecenoate	426	Ricinelaic acid; (E)-12-Hydroxy-9-octadecenoic acid
372	Palmitelaidyl acetate; (E)-9-Hexadecen-1-yl acetate	431	Ricinoleic acid ethyl ester
373	Palmitic acid	432	Ricinoleic acid methyl ester
375	Palmitic acid arachidyl ester; Eicosyl hexadecanoate	430	Ricinoleic acid; (Z)-12-Hydroxy-9-octadecenoic acid
376	Palmitic acid behenyl ester; Docosyl hexadecanoate	546	Rosin, gum
377	Palmitic acid ethyl ester	547	Safflower seed oil
378	Palmitic acid methyl ester	436	Sebacic acid di(2-ethylhexyl) ester
379	Palmitic acid myristyl ester	433	Sebacic acid dibenzyl ester
380	Palmitic acid oleyl ester	434	Sebacic acid dibutyl ester
381	Palmitic acid palmityl ester	435	Sebacic acid dimethyl ester
382	Palmitic acid propyl ester	437	Sebacoyl chloride
383	Palmitic acid stearyl ester	548	Sesame oil
374	Palmitic acid, Na salt	549	Soybean oil
384	Palmitic anhydride	754	Sphingomyelin from bovine brain
385	Palmitic anhydride	755	Sphingomyelin from bovine erythrocytes
386	Palmitoleic acid	756	Sphingomyelin from chicken egg yolk
387	Palmitoleic acid arachidyl ester; Eicosyl (Z)-9-hexadecenoate	757	Sphingosylphosphorylcholine
388	Palmitoleic acid ethyl ester	439	Stannous 2-ethylhexanoate
389	Palmitoleic acid lauryl ester; Dodecyl (Z)-9-hexadecenoate	438	Stannous caproate
390	Palmitoleic acid methyl ester	440	Stannous laurate
391	Palmitoleic acid stearyl ester; Octadecyl (Z)-9-hexadecenoate	441	Stannous palmitate; Hexadecanoic acid, tin(II) salt
392	Palmitoleyl chloride; (Z)-1-Chloro-9-hexadecene	442	Stannous stearate
394	Palmitoyl chloride	444	Stearic acid arachidyl ester; Eicosyl octadecanoate
393	Palmitoyl-L-carnitine chloride	445	Stearic acid butyl ester
395	Palmitoylcholine iodide	446	Stearic acid ethyl ester
396	Palmityl acetate	447	Stearic acid methyl ester
545	Peanut oil	448	Stearic acid oleyl ester
397	Pentadecanoic acid	449	Stearic acid palmityl ester
398	Pentadecanoic acid ethyl ester	450	Stearic acid propyl ester
399	Pentadecanoic acid methyl ester	451	Stearic acid stearyl ester
400	Pentadecanoyl chloride	443	Stearic acid, Na salt
401	Pentadecyl acetate	452	Stearic anhydride
403	Petroselaidic acid	453	Stearoyl chloride
404	Petroselaidic acid ethyl ester	759	Stearoylcholine iodide
405	Petroselaidic acid methyl ester	454	Stearyl acetate
406	Petroselinic acid	455	Stearyl bromide
407	Petroselinic acid	456	Suberic acid
409	Petroselinic acid ethyl ester; Ethyl (Z)-6-octadecenoate		

No. Compound Description

457 Suberic acid dimethyl ester
458 Suberoyl chloride
765 Sulfatides from bovine brain
550 Sunflower seed oil
461 Tetradecanedioic acid

No. Compound Description

465 Thromboxane B2
466 Tiglic acid
613 Tri-11-eicosenoin; Glyceryl tris(11-eicosenoate)
605 Triacetin; Glyceryl triacetate
467 Triacontanoic acid