



Flavors and Fragrances

Library Listing – 667 spectra

This library is a collection of vapor phase chemical compounds of interest to food and cosmetic scientists. It contains a wide array of spectra of chemicals which contribute fragrance and flavor to commercial products.

The Flavors and Fragrances Library includes 667 vapor phase spectra of materials with flavor or fragrance properties. The spectra were collected by Aldrich Chemical Company using a GC interface to reduce contamination and decomposition. All spectra are on the GRAS (Generally Recognized as Safe) list of US government-approved foods. These spectra are complementary to the condensed phase spectra included in the Food Additives Library.

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
547	(2E,6Z)-2,6-Nonadienal	151	1,3-Dimethoxybenzene; Resorcinol
376	(E)-2-Ethoxy-5-propenylphenol; Propenyl guaethol	158	dimethyl ether 1,3-Diphenyl-2-propanone; 1,3-Diphenylacetone
466	(E)-2-Heptenal	629	1,3-Propanedithiol
240	(E)-2-Hexen-1-ol	152	1,4-Dimethoxybenzene; Hydroquinone
635	(E)-2-Methyl-2-butenic acid; Tiglic acid	592	dimethyl ether 1,6-Hexanedithiol
479	(E)-2-Methyl-2-pentenoic acid	103	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one; Camphor
487	(E)-2-Nonenal	200	1,8-Epoxy-p-menthane; 1,8-Cineole; Eucalyptol
601	(E)-2-Octen-1-yl acetate	600	1,8-Octanedithiol; 1,8-Dimercaptooctane
216	(E)-3,7-Dimethyl-2,6-octadien-1-ol; Geraniol	599	1,9-Nonanedithiol; 1,9-Dimercaptononane
217	(E)-3,7-Dimethyl-2,6-octadien-1-yl acetate; Geranyl acetate	298	1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-1-penten-3-one; Methyl b-ionone
218	(E)-3,7-Dimethyl-2,6-octadien-1-yl benzoate; Geranyl benzoate	251	1-(4-Hydroxyphenyl)-3-butanone; 4'-Hydroxybenzylacetone
219	(E)-3,7-Dimethyl-2,6-octadien-1-yl formate; Geranyl formate	274	1-(4-Methoxyphenyl)-2-propanone; p-Methoxyphenylacetone
220	(E)-3,7-Dimethyl-2,6-octadien-1-yl phenylacetate; Geranyl phenylacetate	483	1-(Methylthio)-2-butanone
221	(E)-3,7-Dimethyl-2,6-octadien-1-yl propionate; Geranyl propionate	583	1-Butanethiol; Butyl mercaptan
591	(E)-3-Heptenyl 2-methylpropanoate; (E)-3-Heptenyl isobutyrate	72	1-Butanol; Butyl alcohol
242	(E)-3-Hexen-1-ol	137	1-Decanol; Decyl alcohol
40	(E)-4-(1-Propenyl)anisole; Anethole	259	1-Dodecanol; Lauryl alcohol
358	(E)-4-Phenyl-3-buten-2-one; Benzalacetone	203	1-Ethoxy-2-methoxy-4-(1-propenyl)benzene; Isoeugenyl ethyl ether
449	(E,E)-2,4-Decadienal	230	1-Heptanol
652	(E,E)-2,4-Dodecadienal	234	1-Hexadecanol; Cetyl alcohol
465	(E,E)-2,4-Heptadienal	246	1-Hexanol
563	(E,E)-2,4-Hexadienal; Sorbic aldehyde	637	1-Hexen-3-ol
486	(E,E)-2,4-Nonadienal	469	1-Hydroxy-2-butanone
206	(E,E)-3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol; (E,E)-Farnesol	456	1-Isopropenyl-4-methylbenzene; 4-Isopropenyltoluene
241	(Z)-2-Hexen-1-ol	623	1-Isopropyl-4-methyl-1,3-cyclohexadiene; a-Terpinene
321	(Z)-3,7-Dimethyl-2,6-octadien-1-ol; Nerol	624	1-Isopropyl-4-methyl-1,4-cyclohexadiene; g-Terpinene
243	(Z)-3-Hexen-1-ol	106	1-Isopropyl-4-methyl-3-cyclohexen-1-ol; 4-Carvomenthol; 4-Terpinenol
480	(Z)-3-Methyl-2-(2-pentenyl)-2-cyclopenten-1-one; Jasmone, cis-	477	1-Methylnaphthalene
576	(Z)-3-Octen-1-ol	329	1-Nonanol
512	(Z)-4-Decenal	332	1-Octanol
665	(Z)-5-Octen-1-ol	336	1-Octen-3-ol
575	(Z)-6-Nonen-1-ol	22	1-Pentanol; Amyl alcohol
121	1,1-Dimethoxy-3,7-dimethyl-2,6-octadiene; Citral dimethyl acetal	628	1-Penten-3-ol
561	1,1-Dimethoxyethane; Acetaldehyde dimethyl acetal	549	1-Penten-3-one; Ethyl vinyl ketone
571	1,2-Cyclohexanedione; 2-Hydroxy-2-cyclohexen-1-one	495	1-Phenyl-1,2-propanedione; Methyl phenyl glyoxal
204	1,2-Dimethoxy-4-(1-propenyl)benzene; Isoeugenyl methyl ether	360	1-Phenyl-1-propanol
585	1,2-Ethanedithiol	398	1-Phenyl-2-pentanol; a-Propylphenethyl alcohol
391	1,2-Propanediol; Propylene glycol	602	1-Propanethiol; Propyl mercaptan
208	1,3,3-Trimethylbicyclo[2.2.1]heptan-2-one; Fenchone	381	1-Propanol; Propyl alcohol
101	1,3,7-Trimethylxanthine; Caffeine	439	1-Undecanol; 1-Hendecanol
630	1,3-Dihydroxybenzene; Resorcinol	438	10-Undecenal; 10-Hendecenal; Undecylenic aldehyde

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
505	10-Undecenoic acid; 10-Hendecenoic acid; Undecylenic acid	170	2-Ethylbutyric acid
304	2'-Acetonaphthone; 2-Acetylnaphthalene	653	2-Ethylfuran
618	2-Hydroxyacetophenone; o-Acetylphenol	516	2-Ethylpyrazine
580	2,2,6-Trimethylcyclohexanone	536	2-Ethylthiophenol
102	2,2-Dimethyl-3-methylenebicyclo[2.2.1]heptane; Camphene	210	2-Furaldehyde; Furfural
502	2,3,5-Trimethylpyrazine	463	2-Furfuryl thioacetate; Furfurylthiol acetate
140	2,3-Butanedione; Diacetyl	517	2-Heptanol
582	2,3-Butanedithiol	226	2-Heptanone
450	2,3-Diethylpyrazine	554	2-Heptylfuran
238	2,3-Hexanedione	559	2-Hexanoylfuran; 2-Furyl pentyl ketone
342	2,3-Pentanedione	244	2-Hexen-1-yl acetate
455	2,4-Dimethyl-2-pentenoic acid	255	2-Hydroxypropanoic acid; L-Lactic acid
562	2,4-Dimethylbenzaldehyde	448	2-Isobutyl-3-methoxypyrazine; 2-Methoxy-3-(2-methylpropyl)pyrazine
631	2,5-Dimethylphenol; 2,5-Xylenol	404	2-Isopropenyl-5-methylcyclohexanol; Isopulegol
514	2,5-Dimethylpyrazine	406	2-Isopropenyl-5-methylcyclohexyl acetate; Isopulegyl acetate
581	2,6,6-Trimethyl-1-cyclohexen-1-acetaldehyde	540	2-Isopropyl-3-methoxypyrazine
369	2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene; α -Pinene	268	2-Isopropyl-5-methylcyclohexanol; Menthol
660	2,6-Dimethoxy-4-methylphenol; 4-Methylsyngol	572	2-Isopropyl-5-methylcyclohexanone, cis-; Isomenthone
451	2,6-Dimethoxyphenol; Syngol	269	2-Isopropyl-5-methylcyclohexanone; (2S,5R)-(-)-Menthone
453	2,6-Dimethyl-4-heptanol	271	2-Isopropyl-5-methylcyclohexyl 3-methylbutanoate; Menthyl isovalerate
153	2,6-Dimethyl-5-heptenal; Melonal	270	2-Isopropyl-5-methylcyclohexyl acetate; Menthyl acetate
651	2,6-Dimethylbenzenethiol; 2,6-Dimethylthiophenol	424	2-Isopropyl-5-methylphenol; Thymol
506	2,6-Dimethylphenol; 2,6-Xylenol	405	2-Isopropylidene-5-methylcyclohexanone; Pulegone
515	2,6-Dimethylpyrazine	470	2-Mercaptopropionic acid; Thiolactic acid
612	2,6-Dimethylpyridine; 2,6-Lutidine	202	2-Methoxy-4-(1-propenyl)phenol; Isoeugenol
510	2-(1-Methylpropyl)cyclohexanone; 2-(2-Butyl)cyclohexanone	205	2-Methoxy-4-(1-propenyl)phenyl phenylacetate; Isoeugenyl phenylacetate
545	2-(1-Methylpropyl)thiazole; 2-(2-Butyl)thiazole	634	2-Methoxy-4-propylphenol; Dihydroeugenol
432	2-(4-Methylphenyl)propanal; 2-(p-Tolyl)propionaldehyde	223	2-Methoxyphenol; Guaiacol
500	2-(Methyl)thiophenol; o-Thiocresol; o-Toluenethiol	224	2-Methoxyphenyl phenylacetate; Guaiacyl phenylacetate
485	2-(Methylthio)phenol	521	2-Methyl-1-butanethiol
471	2-Acetyl-1-methylpyrrole	156	2-Methyl-1-phenyl-2-propanol; a,a-Dimethylphenethyl alcohol
638	2-Acetyl-5-methylfuran	155	2-Methyl-1-phenyl-2-propyl acetate; a,a-Dimethylphenethyl acetate
464	2-Acetylfuran	478	2-Methyl-2-pentenal
507	2-Acetylpyridine	474	2-Methyl-3-furanthiol
534	2-Acetylthiazole	546	2-Methyl-4,5-dihydro-3(2H)-furanone; 2-Methyltetrahydrofuran-3-one
606	2-Butanon-3-yl acetate; 2-Acetoxy-3-butanone	598	2-Methyl-4-pentenoic acid
70	2-Butanone	642	2-Methyl-4-phenyl-2-butanol; 1,1-Dimethyl-3-phenyl-1-propanol; Benzyl
138	2-Decenal	573	2-Methyl-4-pyron-3-yl 3-methylpropanoate; Maltol isobutyrate
105	2-Ethoxy-4-isopropyltoluene; Carvacryl ethyl ether	425	2-Methylbenzaldehyde; o-Tolualdehyde
458	2-Ethyl-1-hexanol	541	2-Methylbutyl 2-methylbutanoate
587	2-Ethyl-3-hydroxy-4H-pyran-4-one; Ethyl maltol		
460	2-Ethyl-3-methylpyrazine		
166	2-Ethylbutyl acetate		
167	2-Ethylbutyraldehyde; 2-Ethylbutanal		

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
289	2-Methylbutyric acid	349	2-Phenylethyl propionate; Phenethyl propionate
110	2-Methylene-6,10,10-trimethylbicyclo[7.2.0]undec-5-ene; b-Caryophylle	362	2-Phenylpropionaldehyde
476	2-Methylhexanoic acid	382	2-Propanol; Isopropyl alcohol
557	2-Methylpentanal; 2-Methylvaleraldehyde	603	2-Propylphenol
584	2-Methylphenol; o-Cresol	552	2-Tridecanone
98	2-Methylpropanal; Isobutyraldehyde	434	2-Tridecenal
73	2-Methylpropyl (Z)-2-methyl-2-butenolate; Isobutyl angelate	504	2-Undecanol; 2-Hendecanol
78	2-Methylpropyl 2-methylpropanoate; Isobutyl isobutyrate	437	2-Undecanone; 2-Hendecanone
544	2-Methylpropyl 3-methylbutanoate; Isobutyl isovalerate	150	3,4-Dihydro-2H-1-benzopyran-2-one; Dihydrocoumarin
74	2-Methylpropyl benzoate; Isobutyl benzoate	445	3,4-Dimethoxybenzaldehyde; Veratraldehyde
76	2-Methylpropyl butanoate; Isobutyl butyrate	452	3,4-Dimethoxystyrene
80	2-Methylpropyl cinnamate; Isobutyl cinnamate	632	3,4-Dimethylphenol; 3,4-Xylenol
83	2-Methylpropyl formate; Isobutyl formate	467	3,4-Hexanedione
86	2-Methylpropyl hexanoate; Isobutyl caproate	373	3,4-Methylenedioxybenzaldehyde; Piperonal
94	2-Methylpropyl propionate; Isobutyl propionate	375	3,4-Methylenedioxybenzyl 2-methylpropanoate; Piperonyl isobutyrate
524	2-Methylpyrazine	374	3,4-Methylenedioxybenzyl acetate; Piperonyl acetate
527	2-Naphthalenethiol; 2-Naphthyl mercaptan	532	3,5,5-Trimethyl-1-hexanol
528	2-Nonanol	620	3,5,5-Trimethyl-2-cyclohexen-1-one; Isophorone
327	2-Nonanone	605	3,5,5-Trimethylhexanal
333	2-Octanol	322	3,7,11-Trimethyl-1,6,10-dodecatrien-3-ol; Nerolidol
334	2-Octanone	207	3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol; Farnesol
488	2-Octenal	611	3,7-Dimethyl-1,3,6-octatriene; b-Ocimene
666	2-Pentadecanone	262	3,7-Dimethyl-1,6-octadien-3-ol; Linalool
529	2-Pentanol	267	3,7-Dimethyl-1,6-octadien-3-yl 2-methylbutanoate; Linalyl isovalerate
343	2-Pentanone	264	3,7-Dimethyl-1,6-octadien-3-yl 2-methylpropanoate; Linalyl isobutyrate
489	2-Pentalol	263	3,7-Dimethyl-1,6-octadien-3-yl acetate; Linalyl acetate; Bergamol
530	2-Pentylfuran; 2-Amylfuran	265	3,7-Dimethyl-1,6-octadien-3-yl formate; Linalyl formate
550	2-Pentylpyridine; 2-Amylpyridine	595	3,7-Dimethyl-1,6-octadien-3-yl phenylacetate; Linalyl phenylacetate
354	2-Phenoxyethyl 2-methylpropanoate	266	3,7-Dimethyl-1,6-octadien-3-yl propionate; Linalyl propionate
310	2-Phenyl-1-propanol; Hydratropyl alcohol	154	3,7-Dimethyl-1-octanol; Tetrahydrogeraniol
493	2-Phenyl-2-butenal	120	3,7-Dimethyl-2,6-octadienal; Citral; Geranial + Neral
346	2-Phenylethanol; Phenethyl alcohol	122	3,7-Dimethyl-6-octen-1-ol; (b)-Citronellol
351	2-Phenylethyl (E)-2-methyl-2-butenolate; Phenethyl tiglate	124	3,7-Dimethyl-6-octen-1-yl formate; Citronellyl formate
350	2-Phenylethyl 2-hydroxybenzoate; Phenethyl salicylate	125	3,7-Dimethyl-6-octen-1-yl phenylacetate; Citronellyl phenylacetate
352	2-Phenylethyl 3-methylbutanoate; Phenethyl isovalerate	454	3,7-Dimethyl-6-octenoic acid; Citronellic acid
345	2-Phenylethyl acetate; Phenethyl acetate	409	3,7-Dimethyl-7-octen-1-ol; Rhodinol; a-Citronellol
347	2-Phenylethyl benzoate; Phenethyl benzoate		
491	2-Phenylethyl hexanoate; Phenethyl caproate		
348	2-Phenylethyl phenylacetate; Phenethyl phenylacetate		

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
412	3,7-Dimethyl-7-octen-1-yl 3-methylbutanoate; Rhodinyl isovalerate	37	3-Methylbutyl propionate; Isoamyl propionate
410	3,7-Dimethyl-7-octen-1-yl formate; Rhodinyl formate	490	3-Methylbutylamine; Isoamylamine
411	3,7-Dimethyl-7-octen-1-yl propanoate; Rhodinyl propionate	286	3-Methylbutyraldehyde; 3-Methylbutanal; Isovaleraldehyde
422	3,7-Dimethyloctan-3-ol; Tetrahydrolinalool	292	3-Methylcyclopentane-1,2-dione; Methylcyclopentenolone
214	3-(2-Furyl)-2-propenal; 3-(2-Furyl)acrolein	414	3-Methylindole; Skatole
526	3-(Methylthio)propyl isothiocyanate	566	3-Methylpentanoic acid
553	3-Acetyl-2,5-dimethylfuran	607	3-Methylphenol; m-Cresol
560	3-Acetylpyridine	568	3-Nonanone
636	3-Decanol	627	3-Octanol
609	3-Decen-2-one	335	3-Octanone
459	3-Ethyl-1,2-cyclopentanedione; 3-Ethyl-2-hydroxy-2-cyclopenten-1-one	548	3-Oxobutanal dimethyl acetal; Acetylacetaldehyde dimethyl acetal
617	3-Heptanol	558	3-Penten-2-one
227	3-Heptanone	361	3-Phenyl-1-propanol
538	3-Hexanol	531	3-Phenyl-4-pentalal
518	3-Hexanone	363	3-Phenylpropionaldehyde; Hydrocinnamaldehyde
5	3-Hydroxy-2-butanone; Acetoin (85 wt.% in water)	364	3-Phenylpropionic acid; Hydrocinnamic acid
596	3-Mercapto-2-butanol; 3-Hydroxy-2-butanethiol	366	3-Phenylpropyl 2-methylpropanoate; Hydrocinnamyl isobutyrate
444	3-Methoxy-4-acetoxybenzaldehyde; Vanillin acetate	368	3-Phenylpropyl 3-methylbutanoate; Hydrocinnamyl isovalerate
23	3-Methyl-1-butanol; Isoamyl alcohol	365	3-Phenylpropyl acetate; Hydrocinnamyl acetate
359	3-Methyl-1-phenyl-3-pentanol	367	3-Phenylpropyl formate; Hydrocinnamyl formate
659	3-Methyl-2-butanol	579	3a,6,6,9a-Tetramethyldodecahydronaphtho[2,1-b]furan; Ambrox
644	3-Methyl-2-buten-1-ol; Prenol	380	4'-Isopropylacetophenone; 4-Acetylcumene
643	3-Methyl-2-butenal; Prenal	276	4'-Methylacetophenone
473	3-Methyl-2-butenic acid; 3-Methylcrotonic acid; Senecioic acid	513	4,5-Dihydro-3(2H)-thiophenone; Tetrahydrothiophen-3-one
542	3-Methyl-2-cyclohexen-1-one	254	4-(2,5,6,6-Tetramethyl-2-cyclohexen-1-yl)-3-buten-2-one; a-Irone
565	3-Methyl-2-cyclopenten-1-one	253	4-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-3-buten-2-one; b-Ionone
312	3-Methyl-4-phenyl-3-buten-2-one; 3-Benzylidene-2-butanone	252	4-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-3-buten-2-one; a-Ionone
426	3-Methylbenzaldehyde; m-Tolualdehyde	215	4-(2-Furyl)-3-buten-2-one; Furfurylideneacetone
38	3-Methylbutyl 2-hydroxybenzoate; Isoamyl salicylate	293	4-(3,4-Methylenedioxyphenyl)-2-butanone; Piperonyl acetone
39	3-Methylbutyl 3-methylbutanoate; Isoamyl isovalerate	647	4-(4-Acetoxyphenyl)-2-butanone; 4-(3-Oxobutyl)phenyl acetate
619	3-Methylbutyl 3-oxobutanoate; Isoamyl acetoacetate	273	4-(4-Methoxyphenyl)-2-butanone; Anisylacetone
21	3-Methylbutyl acetate; Isoamyl acetate	649	4-Acetyl-2-methylpyrimidine
24	3-Methylbutyl benzoate; Isoamyl benzoate	648	4-Acetyl-6-t-butyl-1,1-dimethylindane
32	3-Methylbutyl dodecanoate; Isoamyl laurate	650	4-Allyl-2,6-dimethoxyphenol; 6-Methoxyeugenol; 4-Allylsyringol
28	3-Methylbutyl formate; Isoamyl formate	201	4-Allyl-2-methoxyphenol; Eugenol
31	3-Methylbutyl hexanoate; Isoamyl caproate	142	4-Butyl-4-hydroxyoctanoic acid lactone; 4,4-Dibutyl-g-butyrolactone
33	3-Methylbutyl nonanoate; Isoamyl pelargonate	159	4-Ethoxybenzaldehyde
35	3-Methylbutyl octanoate; Isoamyl caprylate		
36	3-Methylbutyl phenylacetate; Isoamyl phenylacetate		

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
658	4-Ethoxyphenol; Hydroquinone monoethyl ether	431	4-Methylphenyl phenylacetate; p-Tolyl phenylacetate
175	4-Ethyl-3-methoxyphenol; 4-Ethylguaiacol	664	4-Methylthiazole
461	4-Ethylphenol	260	4-Oxopentanoic acid; Levulinic acid
228	4-Heptanone	344	4-Pentenoic acid
564	4-Hexen-1-ol	357	4-Phenyl-3-buten-2-ol
539	4-Hexen-3-one; 2-Hexen-4-one	383	4-Propylanisole; 1-Methoxy-4-propylbenzene
443	4-Hydroxy-3-methoxybenzaldehyde; Vanillin	645	4-Propylphenol
520	4-Hydroxy-3-pentenoic acid lactone; a-Angelicalactone	423	5-Ethyl-(2/6),3,4,5-tetramethyl-2-cyclohexen-1-one; Ethyl tetramethyl
519	4-Hydroxybutanoic acid lactone; g-Butyrolactone	616	5-Ethyl-2-methylpyridine
236	4-Hydroxyhexanoic acid lactone; gHexalactone; g-Caprolactone	250	5-Hydroxy-4-octanone; Butyrolin
324	4-Hydroxynonanoic acid lactone; g-Nonalactone	107	5-Isopropenyl-2-methyl-2-cyclohexen-1-one; Carvone
442	4-Hydroxypentanoic acid lactone; g-Valerolactone	108	5-Isopropenyl-2-methyl-2-cyclohexen-1-yl acetate; Carvyl acetate
622	4-Isopropenyl-1-cyclohexenecarboxaldehyde; Perillaldehyde; p-Mentha-1	109	5-Isopropenyl-2-methyl-2-cyclohexen-1-yl proanoate; Carvyl propionate
261	4-Isopropenyl-1-methyl-1-cyclohexene; Limonene	148	5-Isopropenyl-2-methylcyclohexanol; Dihydrocarveol
372	4-Isopropyl-1-methyl-1-cyclohexen-3-one; a-Piperitone	625	5-Isopropenyl-2-methylcyclohexanone; Dihydrocarvone; p-Menth-8-en-2-o
127	4-Isopropylbenzaldehyde; Cuminaldehyde	149	5-Isopropenyl-2-methylcyclohexyl acetate; Dihydrocarvyl acetate
385	4-Isopropylbenzyl alcohol; p-Cymen-7-ol	475	5-Methyl-2,3-hexanedione
417	4-Isopropylidene-1-methyl-1-cyclohexene; Terpinolene; p-Mentha-1,4(8)	482	5-Methyl-2-phenyl-2-hexenal
272	4-Methoxybenzaldehyde; p-Anisaldehyde	484	5-Methyl-2-thiophenecarboxaldehyde; 5-Methyl-2-thenaldehyde
42	4-Methoxybenzyl acetate; Anisyl acetate	555	5-Methyl-3-hexen-2-one
43	4-Methoxybenzyl alcohol; Anisyl alcohol	522	5-Methyl-6,7-dihydro-5H-cyclopenta[b]pyrazine
44	4-Methoxybenzyl formate; Anisyl formate	294	5-Methylfurfural
45	4-Methoxybenzyl propionate; Anisyl propionate	641	5-Phenyl-1-pentanol
91	4-Methyl-1-phenyl-2-pentanol; a-Isobutylphenethyl alcohol	123	6,10-Dimethyl-3-oxa-9-undecenal; Citronelloxyacetaldehyde
499	4-Methyl-2-(2-methylpropen-1-yl)tetrahydropyran; Rose oxide	613	6,10-Dimethyl-5,9-undecadien-2-one; Geranylacetone
309	4-Methyl-2-pentanone; Methyl isobutyl ketone	370	6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane; b-Pinene
543	4-Methyl-3-penten-2-one; Mesityl oxide	567	6,6-Dimethylbicyclo[3.1.1]hept-2-en-2-ylmethanol; Myrtenol
278	4-Methylanisole; 4-Methoxytoluene	314	6-Methylquinoline
427	4-Methylbenzaldehyde; p-Tolualdehyde	318	7-Methyl-3-methylene-1,6-octadiene; Myrcene
472	4-Methylbiphenyl; 4-Phenyltoluene	340	9-Octadecenoic acid; Oleic acid
574	4-Methylpentanoic acid; Isocaproic acid	1	Acetal; Acetaldehyde diethyl acetal; 1,1-Diethoxyethane
126	4-Methylphenol; p-Cresol	2	Acetaldehyde; Ethanal
430	4-Methylphenyl 2-methylpropanoate; p-Tolyl isobutyrate	3	Acetic acid; Ethanoic acid
429	4-Methylphenyl acetate; p-Tolyl acetate	533	Acetone; 2-Propanone
667	4-Methylphenyl octanoate; p-Tolyl caprylate	6	Acetophenone
		7	Adipic acid; Hexanedioic acid
		20	Allyl 10-undecenoate; Allyl 10-hendecenoate
		12	Allyl a-ionone; 1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-1,6-heptadien-3
		8	Allyl anthranilate; Allyl 2-aminobenzoate

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
9	Allyl butyrate	95	Butyl octadecanoate; Butyl stearate
10	Allyl disulfide; Diallyl disulfide	92	Butyl phenylacetate
11	Allyl hexanoate; Allyl caproate	93	Butyl propionate
13	Allyl isothiocyanate	96	Butyl sulfide; Dibutyl sulfide
14	Allyl mercaptan; 2-Propene-1-thiol	447	Butylamine
15	Allyl octanoate; Allyl caprylate	99	Butyric acid; Butanoic acid
16	Allyl phenoxyacetate	104	Carvacrol; 5-Isopropyl-2-methylphenol
17	Allyl phenylacetate	111	Cinnamaldehyde
18	Allyl propionate	112	Cinnamic acid; 3-Phenylpropenoic acid
19	Allyl sulfide; Diallyl sulfide	116	Cinnamyl 2-methylpropanoate; Cinnamyl isobutyrate
41	Anisole; Methoxybenzene	119	Cinnamyl 3-methylbutanoate; Cinnamyl isovalerate
46	Benzaldehyde	113	Cinnamyl acetate
640	Benzenethiol; Thiophenol	114	Cinnamyl alcohol; 3-Phenyl-2-propen-1- ol
47	Benzoic acid	115	Cinnamyl butyrate
48	Benzophenone	117	Cinnamyl phenylacetate
508	Benzothiazole	118	Cinnamyl propionate
535	Benzyl (E)-2-methyl-2-butenolate; Benzyl tiglate	128	Cyclohexaneacetic acid; Cyclohexylacetic acid
55	Benzyl 2-methylpropanoate; Benzyl isobutyrate	608	Cyclohexanecarboxylic acid
61	Benzyl 3-methylbutanoate; Benzyl isovalerate	129	Cyclohexaneethyl acetate; 2- Cyclohexylethyl acetate
50	Benzyl 3-oxobutanoate; Benzyl acetoacetate	131	Cyclohexyl 2-aminobenzoate; Cyclohexyl anthranilate
49	Benzyl acetate	135	Cyclohexyl 3-methylbutanoate; Cyclohexyl isovalerate
51	Benzyl alcohol	130	Cyclohexyl acetate
52	Benzyl benzoate	132	Cyclohexyl butyrate
53	Benzyl butyl ether	133	Cyclohexyl cinnamate
54	Benzyl butyrate	134	Cyclohexyl propionate
141	Benzyl ether; Dibenzyl ether	511	Cyclopentanethiol; Cyclopentyl mercaptan
56	Benzyl ethyl ether	136	Decanal; Capraldehyde; Decyl aldehyde
57	Benzyl formate	139	Decyl acetate
58	Benzyl mercaptan	143	Dibutyl sebacate; Dibutyl decanedioate
633	Benzyl methyl sulfide	147	Diethyl 2,3-dihydroxysuccinate; Diethyl tartrate
59	Benzyl phenylacetate	145	Diethyl decanedioate; Diethyl sebacate
60	Benzyl propionate	144	Diethyl malonate
446	Biphenyl	146	Diethyl succinate
62	Borneol; 1,7,7- Trimethylbicyclo[2.2.1]heptan-2-ol, endo-	509	Difurfuryl sulfide; Furfuryl sulfide
68	Bornyl 3-methylbutanoate; Bornyl isovalerate	610	Dimethyl disulfide; Methyl disulfide
64	Bornyl acetate	157	Dimethyl succinate
97	Butyl 10-undecenoate; Butyl 10- hendecenoate	315	Dimethyl sulfide; Methyl sulfide
81	Butyl 2-decenoate	494	Diphenyl disulfide; Phenyl disulfide
646	Butyl 2-hydroxybenzoate; Butyl salicylate	496	Dipropyl disulfide; Propyl disulfide
88	Butyl 2-hydroxypropanoate; Butyl lactate	257	Dodecanal; Dodecyl aldehyde
77	Butyl 2-methylpropanoate; Butyl isobutyrate	256	Dodecanoic acid; Lauric acid
87	Butyl 4-hydroxybenzoate; Butyl paraben	258	Dodecyl acetate; Lauryl acetate
90	Butyl 4-oxopentanoate; Butyl levulinate	457	Ethyl (2E,4Z)-2,4-decadienoate
71	Butyl acetate	586	Ethyl (E)-2-butenolate; Ethyl crotonate
75	Butyl butyrate	196	Ethyl (E)-2-methyl-2-butenolate; Ethyl tiglate
89	Butyl dodecanoate; Butyl laurate	187	Ethyl (Z)-9-octadecenoate; Ethyl oleate
82	Butyl formate	197	Ethyl 10-undecenoate; Ethyl 10- hendecenoate
84	Butyl heptanoate; Butyl enanthate		
85	Butyl hexanoate; Butyl caproate		

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
182	Ethyl 2,3-epoxy-2-methyl-3-phenylpropanoate, cis-; Ethyl methylphenyl	462	Furfuryl methyl sulfide
181	Ethyl 2,3-epoxy-2-methyl-3-phenylpropanoate, trans-; Ethyl methylphen	222	Glycerol; 1,2,3-Propanetriol; Glycerine
195	Ethyl 2,4-hexadienoate; Ethyl sorbate	656	Glyceryl 5-hydroxydecanoate
164	Ethyl 2-aminobenzoate; Ethyl anthranilate	225	Heptanal; Heptaldehyde
194	Ethyl 2-hydroxybenzoate; Ethyl salicylate	537	Heptanoic acid; Enanthic acid
569	Ethyl 2-methyl-3-pentenoate	229	Heptyl acetate
588	Ethyl 2-methyl-4-pentenoate	231	Heptyl butyrate
180	Ethyl 2-methylbutanoate	232	Heptyl formate
169	Ethyl 2-methylpropanoate; Ethyl isobutyrate	233	Heptyl octanoate; Heptyl caprylate
320	Ethyl 2-naphthyl ether; 2-Ethoxynaphthalene	341	Hexadecanoic acid; Palmitic acid
185	Ethyl 2-nonynoate	237	Hexanal
654	Ethyl 3-(furfurylthio)propionate	239	Hexanoic acid; Caproic acid
655	Ethyl 3-mercaptopropionate	593	Hexyl 2-methylbutanoate
199	Ethyl 3-methylbutanoate; Ethyl isovalerate	468	Hexyl 2-methylpropanoate; Hexyl isobutyrate
191	Ethyl 3-phenyl-2,3-epoxypropionate; Ethyl 3-phenylglycidate	594	Hexyl 3-methylbutanoate; Hexyl isovalerate
192	Ethyl 3-phenylpropanoate; Ethyl hydrocinnamate	245	Hexyl acetate
163	Ethyl 4-methoxybenzoate; Ethyl p-anisate	657	Hexyl benzoate
190	Ethyl 4-phenylbutanoate	248	Hexyl octanoate; Hexyl caprylate
160	Ethyl acetate	570	Hexyl phenylacetate
161	Ethyl acrylate; Ethyl propenoate	249	Hexyl propionate
162	Ethyl alcohol; Ethanol	63	Isoborneol; 1,7-Trimethylbicyclo[2.2.1]heptan-2-ol, exo-
165	Ethyl benzoate	69	Isobornyl 3-methylbutanoate
168	Ethyl butyrate	65	Isobornyl acetate
171	Ethyl cinnamate	66	Isobornyl formate
615	Ethyl cyclohexanecarboxylate	67	Isobornyl propionate
172	Ethyl decanoate; Ethyl caprate	497	Isopropyl (E)-2-methyl-2-butenolate; Isopropyl tiglate
178	Ethyl dodecanoate; Ethyl laurate	389	Isopropyl 2-methylpropanoate; Isopropyl isobutyrate
174	Ethyl formate	403	Isopropyl 3-methylbutanoate; Isopropyl isovalerate
176	Ethyl heptanoate; Ethyl enanthate	379	Isopropyl acetate
188	Ethyl hexadecanoate; Ethyl palmitate	387	Isopropyl butyrate
177	Ethyl hexanoate; Ethyl caproate	390	Isopropyl cinnamate
179	Ethyl levulinate; Ethyl 4-oxopentanoate	393	Isopropyl formate
184	Ethyl nonanoate; Ethyl pelargonate	396	Isopropyl hexanoate; Isopropyl caproate
589	Ethyl octadecanoate; Ethyl stearate	400	Isopropyl phenylacetate
186	Ethyl octanoate; Ethyl caprylate	621	Isopropyl tetradecanoate; Isopropyl myristate
198	Ethyl pentanoate; Ethyl valerate	408	Isoquinoline; Benzo[c]pyridine
189	Ethyl phenylacetate	663	Methyl (E)-2-octenoate
193	Ethyl propionate	316	Methyl 10-undecenoate; Methyl undecylenate; Methyl 10-hendecenoate
183	Ethyl tetradecanoate; Ethyl myristate	279	Methyl 2-aminobenzoate; Methyl anthranilate
590	Ethyl undecanoate; Ethyl hendecanoate	295	Methyl 2-furoate
173	Ethylene oxide; Oxirane; 1,2-Epoxyethane	300	Methyl 2-methoxybenzoate; Methyl o-anisate
614	Ethylene tridecanedioate; Ethylene brassylate	301	Methyl 2-methylbutanoate
209	Formic acid	288	Methyl 2-methylpropanoate; Methyl isobutyrate
211	Furfuryl acetate	306	Methyl 2-nonynoate
212	Furfuryl alcohol	308	Methyl 2-octynoate
213	Furfuryl mercaptan	481	Methyl 2-phenylethyl ether
		302	Methyl 3-(methylthio)propionate

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597	Methyl 3-hydroxyhexanoate; Methyl b-hydroxycaproate	378	Propyl acetate
662	Methyl 3-nonenoate	384	Propyl benzoate
661	Methyl 3-pyridinecarboxylate; Methyl nicotinate	386	Propyl butyrate
285	Methyl 4-(t-butyl)phenylacetate	392	Propyl formate
277	Methyl 4-methoxybenzoate; Methyl p-anisate	394	Propyl heptanoate; Propyl enanthate
556	Methyl 9,12,15-octadecatrienoate; Methyl linolenate	395	Propyl hexanoate; Propyl caproate
275	Methyl acetate	399	Propyl phenylacetate
280	Methyl benzoate	401	Propyl propionate
287	Methyl butyrate	407	Pyridine
291	Methyl cinnamate	551	Pyrrole
626	Methyl cyclohexanecarboxylate	604	Pyrrolidine; Tetrahydropyrrole
299	Methyl dodecanoate; Methyl laurate	578	Quinoline; Benzo[b]pyridine
296	Methyl heptanoate; Methyl enanthate	413	Santalyl acetate
297	Methyl hexanoate; Methyl caproate	498	Styrene; Vinylbenzene
305	Methyl nonanoate; Methyl pelargonate	415	Sulfur dioxide
307	Methyl octanoate; Methyl caprylate	319	Tetradecanal; Tetradecyl aldehyde; Myristaldehyde
317	Methyl pentanoate; Methyl valerate	421	Tetrahydrofurfuryl alcohol
311	Methyl phenylacetate	639	Thiazole
313	Methyl propionate	4	Triacetin; Glyceryl triacetate; Acetin
523	Methyl propyl trisulfide	433	Tributyl acetylcitrate; Acetyl tributyl citrate
303	Methyl tetradecanoate; Methyl myristate	100	Tributylin; Glyceryl tributylate; Butylin
525	Methyl thiobutyrate	435	Triethyl 2-hydroxy-1,2,3-propanetricarboxylate; Triethyl citrate
428	Methylbenzaldehydes (mixed 2,3,4); Tolualdehydes (mixed o,m,p)	501	Trimethylamine
323	Nitrous oxide; Dinitrogen monoxide	436	Undecanal; Hendecanal; Undecylic aldehyde
325	Nonanal; Nonyl aldehyde; Pelargonaldehyde	503	Undecanoic acid; Hendecanoic acid
326	Nonanoic acid; Pelargonic acid	25	a-Amylcinnamyl acetate
328	Nonyl acetate	26	a-Amylcinnamyl alcohol; 2-Benzylidene-1-heptanol
330	Octanal; Octyl aldehyde	79	a-Butylcinnamaldehyde; 2-Benzylidenehexanal
331	Octanoic acid; Caprylic acid	247	a-Hexylcinnamaldehyde; 2-Benzylideneoctanal
337	Octyl acetate	281	a-Methylbenzyl acetate; 1-Phenylethyl acetate
338	Octyl butyrate	282	a-Methylbenzyl alcohol; 1-Phenylethanol
339	Octyl phenylacetate	283	a-Methylbenzyl butyrate; 1-Phenylethyl butanoate
440	Pentanal; Valeraldehyde	284	a-Methylbenzyl propionate; 1-Phenylethyl propionate
441	Pentanoic acid; Valeric acid	290	a-Methylcinnamaldehyde; 2-Methyl-3-phenyl-2-propenal
27	Pentyl formate; Amyl formate	416	a-Terpineol; p-Menth-1-en-8-ol
29	Pentyl heptanoate; Amyl enanthate	418	a-Terpinyl acetate; p-Menth-1-en-8-yl acetate
30	Pentyl hexanoate; Amyl caproate	419	a-Terpinyl formate; p-Menth-1-en-8-yl formate
34	Pentyl octanoate; Amyl caprylate	420	a-Terpinyl isovalerate; p-Menth-1-en-8-yl 3-methylbutanoate
492	Phenol	235	w-6-Hexadecenelactone; 16-Hydroxy-6-hexadecenoic acid lactone; Ambret
353	Phenoxyacetic acid		
355	Phenylacetaldehyde		
356	Phenylacetic acid		
371	Piperidine		
377	Propanal; Propionaldehyde		
577	Propiophenone; 1-Phenyl-1-propanone; Propionylbenzene		
388	Propyl 2-methylpropanoate; Propyl isobutyrate		
402	Propyl 3-methylbutanoate; Propyl isovalerate		
397	Propyl 4-hydroxybenzoate		