

## **Supporting Information**

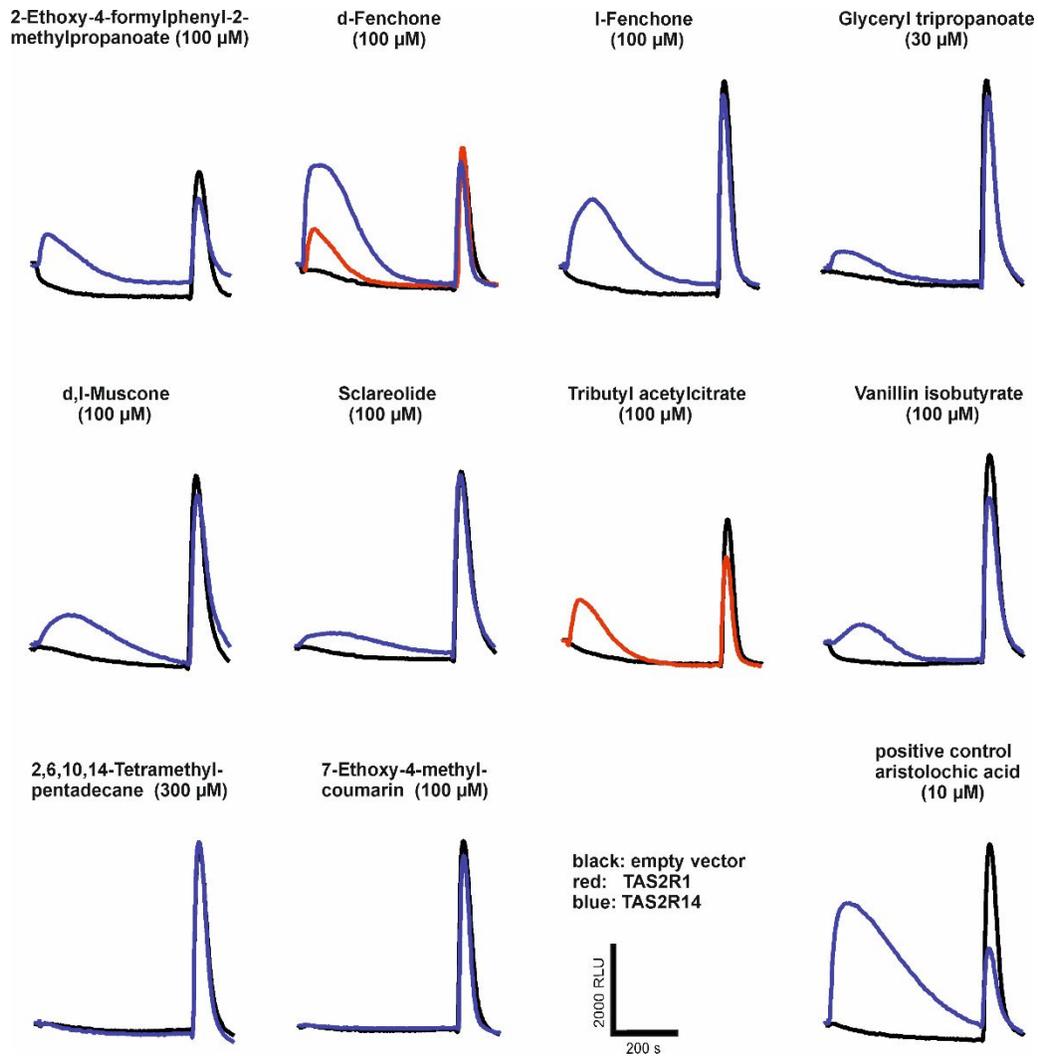
### **Bitter odorants and odorous bitters: toxicity and human TAS2R targets**

Eitan Margulis<sup>1</sup>, Tatjana Lang<sup>2</sup>, Anne Tromelin<sup>3</sup>, Evgenii Ziaikin<sup>1</sup>, Maik Behrens<sup>2</sup>, Masha Y. Niv<sup>1\*</sup>

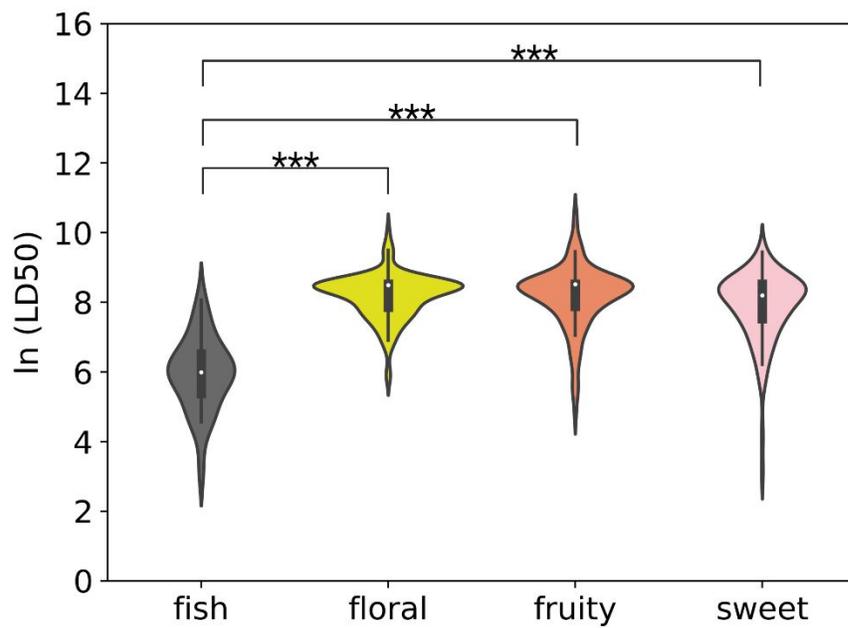
1. The Institute of Biochemistry, Food Science and Nutrition, The Robert H Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, 76100, Rehovot, Israel.

2. Leibniz Institute for Food Systems Biology at the Technical University of Munich, 85354, Freising, Germany.

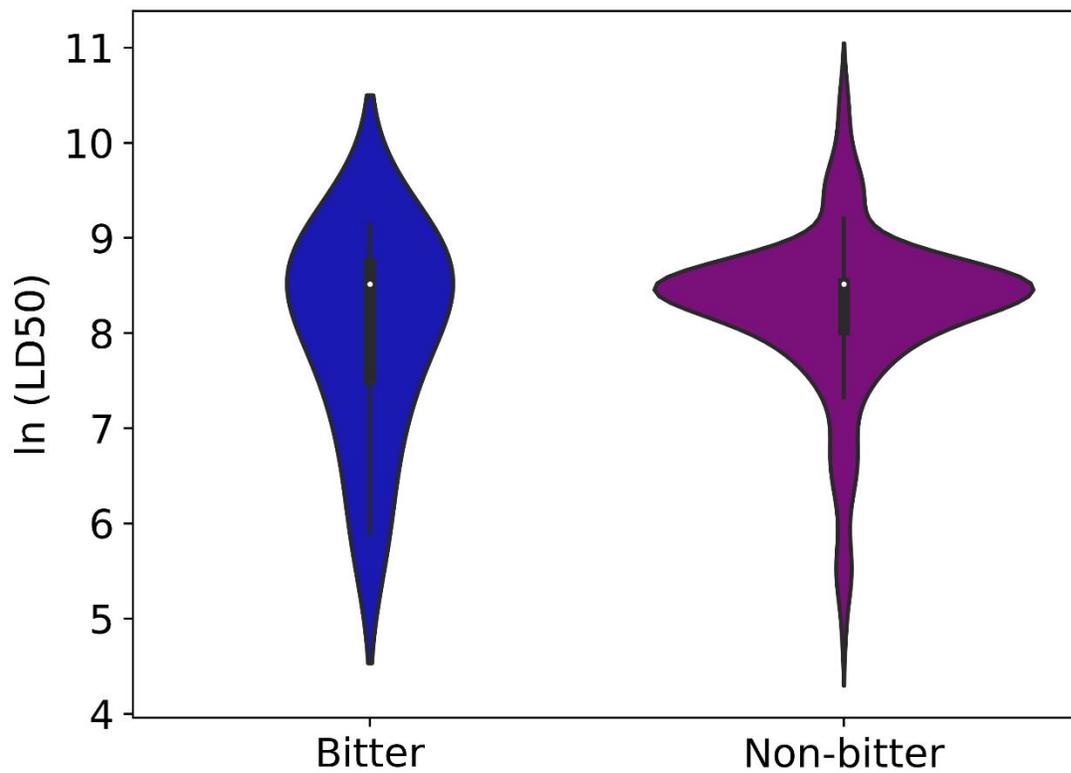
3. Centre des Sciences du Goût et de l'Alimentation, CNRS, INRAE, Institut Agro, Université de Bourgogne Franche-Comté, F-21000 Dijon, France.



**Figure S1. Screening of TAS2Rs with odorants.** Representative raw fluorescence traces of TAS2R14 (blue), TAS2R1 (red) or mock transfected cellular responses are shown. TAS2R14 transfected cells stimulated with 10  $\mu$ M aristolochic acid served as positive control (bottom right trace). The second peak in each trace shows the cellular responses of endogenous somatostatin receptors stimulated with 100 nM somatostatin-14 serving as viability control. Scale bar: y-axis, relative light units (RLU); x-axis, time (seconds).



**Figure S2.** Comparison between  $\ln(LD_{50})$  values of fishy smelling odorants (grey) and floral (yellow), fruity (orange), and sweet (pink) odorants. A significant difference was observed using Dunnett's test,  $P < 0.05$ . \*\*\*  $P < 0.0001$ .



**Figure S3.** Comparison between  $\ln(\text{LD50})$  values of pleasant-smelling odorants with a bitter predicted taste (blue), non-bitter predicted taste (purple). No significant difference was observed using a two-tailed  $t$ -test,  $P < 0.05$ .

**Table S1.** Test compounds, their purity and suppliers.

No.	compound	CAS	purity & suppliers
1	2-Ethoxy-4-formyl phenyl 2-methylpropanoate	188417-26-7	98%, BLD Pharmatech Ltd.
2	7-Ethoxy-4-methylcoumarin	87-05-8	98%, AP OLLD Scientific
3	d-Fenchone	4695-62-9	≥98%, Sigma-Aldrich
4	l-Fenchone	7787-20-4	≥98%, Sigma-Aldrich
5	Glyceryl tripropanoate	139-45-7	97%, Thermo Scientific
6	d,l-Muscone	541-91-3	≥95%, MP Biomedicals
7	Sclareolide	564-20-5	97%, Sigma-Aldrich
8	2,6,10,14- Tetramethylpentadecane	1921-70-6	95%, Ehrenstorfer GmbH
9	Tributyl acetylcitrate	77-90-7	98%, Sigma-Aldrich
10	Vanillin isobutyrate	20665-85-4	≥98%, Sigma-Aldrich

**Table S2.** Bitter Predicted odorants (high confidence)

Acetin	<chem>CC(=O)OCC(COC(=O)C)OC(=O)C</chem>
2-Acetyl-3,5-dimethylpyrazine	<chem>CC(=O)c1ncc(C)nc1C</chem>
2-Acetyl-1,4,5,6-tetrahydropyridine	<chem>CC(=O)C1=CCCCN1</chem>
2-Acetyl-3,4,5,6-tetrahydropyridine	<chem>CC(=O)C1=NCCCC1</chem>
Acetylthiazolidine	<chem>CC(=O)C1NCCS1</chem>
Ammonia	<chem>N</chem>
Ammonium hydrogen sulphide	<chem>[NH4+].S</chem>
Ammonium hydroxide	<chem>[NH4+].[OH-]</chem>
Ammonium sulfide	<chem>[NH4+].[S-2]</chem>
Benzyl isothiocyanate	<chem>S=C=NCc1ccccc1</chem>
Bismethyltetrahydrofurylspirotritolane	<chem>CC1OCCC12SSC3(CCOC3C)S2</chem>
sec-Butylamine	<chem>CC[CH](C)N</chem>
Butylmethylpyrrolidinodithiazine	<chem>CCCC1SC(C)N2CC=CC2S1</chem>
Calone	<chem>Cc1ccc2OCC(=O)COc2c1</chem>
Carvone acetate	<chem>CC(=O)OCC(=C)C1CC=C(C)C(=O)C1</chem>
Cyclohexyl anthranilate	<chem>Nc1cccc1C(=O)OC2CCCCC2</chem>
Cyclohexyl formate	<chem>O=COC1CCCCC1</chem>
2,5-Dimethyl-4-(1-pyrrolidinyl)-3(2H)furanone	<chem>CC1OC(=C(N2CCCC2)C1=O)C</chem>

Dehydromenthofuro lactone	<chem>C[CH]1CCC2=C(C)C(=O)OC2=C1</chem>
(S)-8,9-dehydrotheaspirone	<chem>CC1=CC[C]2(O1)C(=CC(=O)CC2(C)C)C</chem>
Diethylamine	<chem>CCNCC</chem>
Dihydroactinidiolide	<chem>CC1(C)CCC[C]2(C)OC(=O)C=C12</chem>
Dihydrotriethylthiazine	<chem>CCC1NC(CC)SC(CC)S1</chem>
Dihydrotrismethylpropylthiazine	<chem>CC(C)CC1NC(CC(C)C)SC(CC(C)C)S1</chem>
Dimethyl menthyl succinamide	<chem>CC(C)[C@@H]1CC[C@@H](C)C[C@H]1OC(=O)CCC(=O)N(C)C</chem>
Dimethylamine	<chem>CNC</chem>
Dimethylphenethylamine	<chem>C[CH](N(C)C)c1ccccc1</chem>
Dimethylpyrrolidinodithiazine	<chem>C[CH]1S[CH](C)N2CCC[CH]2S1</chem>
Ethoxymethylcoumarin	<chem>CCOc1ccc2C(=CC(=O)Oc2c1)C</chem>
Ethyl acetate	<chem>CCOC(=O)C</chem>
Ethyl formate	<chem>CCOC=O</chem>
Ethyl maltol isobutyrate	<chem>O=C(OC=1C(=O)C=COC=1CC)C(C)(C)[H]</chem>
2-Ethoxy-4-formyl phenyl 2-methylpropanoate	<chem>CCOc1cc(C=O)ccc1OC(=O)C(C)C</chem>
Ethylamine	<chem>CCN</chem>
d-Fenchone	<chem>CC12CC[C@H](C1)C(C)(C)C2=O</chem>
l-Fenchone	<chem>C[C@@]12CC[C@@H](C1)C(C)(C)C2=O</chem>
Geranyl anthranilate	<chem>CC(=CCC\C=C\COC(=O)c1ccccc1N)\C)C</chem>
Glyceryl tripropanoate	<chem>CCC(=O)OCC(COC(=O)CC)OC(=O)CC</chem>
Heliotropin propylene glycol acetal	<chem>CC1COC(O1)c2ccc3OCOc3c2</chem>
Hexalactam	<chem>O=C1CCCCCN1</chem>
Hexylamine	<chem>CCCCCCN</chem>
Hydroxypyridine	<chem>Oc1ccccn1</chem>
Indole	<chem>c1ccc2[nH]ccc2c1</chem>
Isobutyl anthranilate	<chem>CC(C)COC(=O)c1ccccc1N</chem>
Isobutylamine	<chem>CC(C)CN</chem>
Isobutyldimethyldihydrodithiazine	<chem>CC(C)CC1S[CH](C)N[CH](C)S1</chem>
Isodecyl acetate	<chem>CC(C)CCCCCCCOC(=O)C</chem>
Isopentylamine	<chem>CC(C)CCN</chem>
Isopropanolamine	<chem>C[CH](O)CN</chem>
Isopropylamine	<chem>CC(C)N</chem>
Isoquinoline	<chem>c1ccc2cnccc2c1</chem>
Methyl acetate	<chem>COC(=O)C</chem>
Methyl formyloxylododecanoate	<chem>CCCCCCCC(CCCC(=O)OC)OC=O</chem>
Methylamine	<chem>CN</chem>
Methylbutylamine	<chem>CC[CH](C)CN</chem>
1-Methylpiperidine	<chem>CN1CCCC1</chem>

2-Methylpiperidine	<chem>C[CH]1CCCCN1</chem>
Methylpyrrolidine	<chem>CN1CCCC1</chem>
Methylthiazolidine	<chem>C[CH]1NCCS1</chem>
Methylthiopropylamine	<chem>CSCCCN</chem>
d,l-Muscone	<chem>CC1CCCCCCCCCCCCC(=O)C1</chem>
Oxotetradecanoic acid glyceride	<chem>CCCCCCCCCCCC(=O)CC(=O)OC[CH](O)CO</chem>
Pentylamine	<chem>CCCCCN</chem>
1-Amino-2-phenylethane	<chem>NCCc1ccccc1</chem>
Piperazine	<chem>C1CNCCN1</chem>
Piperidine	<chem>C1CCNCC1</chem>
Propionylpyrroline	<chem>CCC(=O)C1=CCCN1</chem>
Propiosyringone	<chem>CCC(=O)c1cc(OC)c(O)c(OC)c1</chem>
Propyl acetate	<chem>CCCOC(=O)C</chem>
Propylamine	<chem>CCCN</chem>
Propylthiazolidine	<chem>CCC[CH]1NCCS1</chem>
Pyrazine	<chem>c1cnccn1</chem>
Pyridine	<chem>c1ccncc1</chem>
Pyrrole	<chem>c1cc[nH]c1</chem>
Pyrrolidine	<chem>C1CCNC1</chem>
Pyrroline	<chem>C1CC=NC1</chem>
Sclareolide	<chem>CC1(C)CCC[C@@]2(C)[C@H]1CC[C@@]3(C)OC(=O)C[C@H]23</chem>
Terpinyl anthranilate	<chem>CC1=CC[CH](CC1)C(C)(C)OC(=O)c2ccccc2N</chem>
Tetrahydrotrimethylthiadiazine	<chem>CC1NC(C)SC(C)N1</chem>
Tributyl acetylcitrate	<chem>CCCCOC(=O)CC(CC(=O)OCCCC)(OC(=O)C)C(=O)OCCCC</chem>
Trimethyldihydrodithiazine	<chem>C[CH]1N[CH](C)SC(C)S1</chem>
Tyramine	<chem>NCCc1ccc(O)cc1</chem>
Vanillin isobutyrate	<chem>COc1cc(C=O)ccc1OC(=O)C(C)C</chem>
Vanillin menthoxypropanediol acetal	<chem>COc1cc(ccc1O)[C@@H]2OC[C@@H](CO[C@H]3C[C@H](CC[C@@H]3C)C(C)O2</chem>
Vomifoliol	<chem>C[C@@H](O)C=C\[C@@]1(O)C(=CC(=O)CC1(C)C)C</chem>
WS-5	<chem>CCOC(=O)CNC(=O)[C@@H]1C[C@H](C)CC[C@H]1C(C)C</chem>

**Table S3.** Very Bitter Predicted odorants

Name	SMILES
Carvone acetate	<chem>CC(=O)OCC(=C)C1CC=C(C)C(=O)C1</chem>
Citral glyceryl acetal(s)	<chem>CC(=CCCC(=CC1OCC(O)CO1)C)C</chem>
Ethyl ricinoleate	<chem>CCCCCCC(O)C\C=C/CCCCCCCC(=O)OCC</chem>
Glyceryl monooleate	<chem>CCCCCCCC\C=C/CCCCCCCC(=O)OC[C@H](O)CO</chem>
Lactic acid	<chem>C[CH](O)C(=O)O</chem>
Methyl jasmonate	<chem>CC\C=C/C[CH]1[CH](CC(=O)OC)CCC1=O</chem>

Oxohexadecanoic acid glyceride	<chem>CCCCCCCCCCCCC(=O)CC(=O)OC[CH](O)CO</chem>
Oxotetradecanoic acid glyceride	<chem>CCCCCCCCCCCC(=O)CC(=O)OC[CH](O)CO</chem>
Sorbitan monostearate	<chem>CCCCCCCCCCCCCCCCC(=O)OCC(O)[C@H]1OC[C@@H](O)[C@@H]1O</chem>
Vanillin menthoxypropanediol acetal	<chem>COc1cc(ccc1O)[C@@H]2OC[C@@H](CO[C@H]3C[C@H](CC[C@@H]3C)C(C)CO2</chem>

**Table S4.** Odorous-predicted bitterants list (from BitterDB):

BitterDB ID	canonical_smiles	name
15	<chem>C1=CC=C(C=C1)C=O</chem>	benzaldehyde
37	<chem>C1=CC=C(C=C1)C(C(=O)C2=CC=CC=C2)O</chem>	Benzoin
49	<chem>C1=CC=C2C(=C1)C=CC(=O)O2</chem>	Coumarin
51	<chem>CCCCCCCC=CC(C#CC#CC(C=C)O)O</chem>	Falcarindiol
57	<chem>C1=CC=C(C=C1)C(=O)N</chem>	Benzamide
61	<chem>CN(C)CCOC(C1=CC=CC=C1)C2=CC=CC=C2</chem>	Diphenhydramine
64	<chem>C=CS(=O)C=C</chem>	Divinyl sulfoxide
77	<chem>CN1CCC23CCCC2C1CC4=C3C=C(C=C4)OC</chem>	dextromethorphan
90	<chem>CC1C2CC2(CC1=O)C(C)C</chem>	(-)-alpha Thujone
108	<chem>C=CCN=C=S</chem>	allyl isothiocyanate
109	<chem>C1CCC(=O)NCC1</chem>	Caprolactam
110	<chem>CN(C)C=S</chem>	dimethylthioformamide
111	<chem>CCC1=NC=CN=C1</chem>	Ethylpyrazine
118	<chem>C1=CC=C(C=C1)CCN=C=S</chem>	phenethyl isothiocyanate
130	<chem>CC1=CC=CC=C1C(C2=CC=CC=C2)OCCN(C)C</chem>	orphenadrine
134	<chem>CC(C(C1=CC=CC=C1)O)N(C)CC=CC2=CC=CC=C2</chem>	Cinnamedrine
161	<chem>CC(CNC)C1CCCC1.Cl</chem>	Cyclexedrine Hydrochloride
165	<chem>CC(CC1CCCC1)NC.Cl</chem>	Cyclopentamine Hydrochloride
188	<chem>CS(=O)C</chem>	Dimethyl Sulfoxide
192	<chem>C1=CN=CC=C1C2=CC=NC=C2</chem>	4,4'-Bipyridine
214	<chem>CC1=CC=C(C=C1)F</chem>	Fluorotoluene
217	<chem>C1=COC(=C1)CO</chem>	Furfuryl Alcohol
228	<chem>C(CC#N)CC#N</chem>	Glutaronitrile
232	<chem>CC1=NC=CC2=C1NC3=CC=CC=C23</chem>	Harman
248	<chem>OO</chem>	Hydrogen Peroxide
275	<chem>CC(C)O</chem>	Isopropyl Alcohol
290	<chem>CC1CC23CCCN4C2(C1)C(CCC4)C(=O)CC3</chem>	Lycopodine
299	<chem>CC1CCC(C(=O)C1)C(C)C</chem>	Menthone
313	<chem>CC(CC1=CC=CC=C1)NC.Cl</chem>	Methamphetamine Hydrochloride
369	<chem>C(CCO)CCO</chem>	1,5-Pentenediol

440	<chem>C1=CN=C1</chem>	Pyrazole
443	<chem>CCC12CCCN(C1)CCC3=C(CC2)NC4=CC=CC=C34</chem>	Quebrachamine
449	<chem>C1=CC=C2C(=C1)C=NC=N2</chem>	Quinazoline
511	<chem>CC[N+](CC)(CC)CC.[OH-]</chem>	Tetraethylammonium Hydroxide
546	<chem>CCCC(CCC)C(=O)N</chem>	Valpromide
588	<chem>CC1=CC(=O)CC(C1)C(C)C</chem>	Homocamfin
650	<chem>CN1CCCC1C2=CN=CC=C2</chem>	nicotine
667	<chem>C1CCNCC1</chem>	piperidine
673	<chem>CCC=CCC=CCC=CCCCCCCC(=O)O</chem>	alpha-Linolenic Acid
684	<chem>CCOC(=O)C1=CC=CC=C1</chem>	Ethyl Benzoate
685	<chem>CC1=CC=CC=N1</chem>	Picoline
686	<chem>CC(C)CNCC(C)C</chem>	Diisobutylamine
687	<chem>C1CCCC(=O)CCC1</chem>	Cyclooctanone
693	<chem>C1CCN2CCCC(C2C1)CO</chem>	Lupinine
694	<chem>CN(C)CCC=C1C2=CC=CC=C2COC3=CC=CC=C31</chem>	Doxepin
695	<chem>CC(=S)NC1=CC=CC=C1</chem>	Thioacetanilide
701	<chem>CC1CCCC(N1)C</chem>	2,6-Dimethylpiperidine
702	<chem>CN1C(=O)C=CC2=CC=CC=C21</chem>	1-methy-2-quinolinone
711	<chem>COC1=C(C=C(C=C1)CC=C)OC</chem>	Eugenyl methyl ether
713	<chem>CC(=O)C1=CC=CC=C1</chem>	Acetophenone
714	<chem>CC(=O)C1=CC=C(C=C1)OC</chem>	Acetanisole
715	<chem>CC(C)(CC1=CC=CC=C1)O</chem>	A,a-dimethylphenethyl alcohol
716	<chem>CCOC(=O)CC1=CC=CC=C1</chem>	Ethyl phenylacetate
717	<chem>CCC(=O)OCCC(C)C</chem>	Isoamyl propionate
718	<chem>CC(C)CCCC(C)CCO</chem>	3,7-dimethyl-1-octanol
719	<chem>CC(CCO)O</chem>	1,3-butylene glycol
720	<chem>CCOC=O</chem>	Ethyl formate
721	<chem>CC(C)COC(=O)C</chem>	Isobutyl acetate
723	<chem>CC(=O)OCC1=CC=CC=C1</chem>	Benzyl acetate
724	<chem>CCC(=O)OCCC(C)CCC=C(C)C</chem>	Citronellyl propionate
725	<chem>CC(CCC=C(C)C)CCO</chem>	D-citronellol
726	<chem>CCCCCCOC(=O)C</chem>	Hexyl acetate
727	<chem>COC1=CC=C(C=C1)OC</chem>	P-dimethoxybenzene
728	<chem>CCC(=O)OCC(C)C</chem>	Isobutyl propionate
729	<chem>CCCCCC(C)O</chem>	2-heptanol
730	<chem>CCCCC(CC)O</chem>	3-heptanol
731	<chem>CCC(=O)OC(C)C</chem>	Isopropyl propionate
732	<chem>CC1(C2CCC(C2)(C1=O)C)C</chem>	D-fenchone
733	<chem>CC1(C2CCC(C2)(C1O)C)C</chem>	Fenchyl alcohol
736	<chem>CC(C)CCOC(=O)C</chem>	Isoamyl acetate

738	<chem>CC1(C2CCC1(C(=O)C2)C)C</chem>	D-camphor
739	<chem>CC=CC1=CC(=C(C=C1)OC)OC</chem>	Isoeugenyl methyl ether
740	<chem>CC(=CCCC(=CC=O)C)C</chem>	Citral (neral)
741	<chem>CC(=CCCC(=CCOC(=O)C)C)C</chem>	Geranyl acetate
742	<chem>CC(=CCCC(=CCOC=O)C)C</chem>	Geranyl formate
743	<chem>C1=CC=C(C=C1)C=CCO</chem>	Cinnamyl alcohol
744	<chem>C1=CC=C(C=C1)C=CCOC=O</chem>	Cinnamyl formate
745	<chem>CCC(=O)OCC=C(C)CCC=C(C)C</chem>	Geranyl propionate
746	<chem>C1=CC=C(C=C1)CC=O</chem>	Phenylacetaldehyde
750	<chem>C1=CC=C(C=C1)CCO</chem>	Phenethyl alcohol
753	<chem>CC(=O)OC</chem>	Methyl acetate
754	<chem>CC1=CC2=C(C=C1)OC(=O)C=C2</chem>	6-methylcoumarin
755	<chem>CC1=CC(=C(C=C1)O)OC</chem>	2-methoxy-4-methylphenol
756	<chem>CC1=CCC(=CC1)C(C)C</chem>	P-mentha-1,4-diene
757	<chem>CC1=CC=C(CC1)C(C)C</chem>	1-isopropyl-4-methyl
758	<chem>CC(C)C(=O)OCCCC1=CC=CC=C1</chem>	Phenethyl isobutyrate
759	<chem>CC(C)C(=O)OCCCC1=CC=CC=C1</chem>	3-phenylpropyl isobutyrate
760	<chem>C1=CC=C(C=C1)CCOC=O</chem>	Phenethyl formate
761	<chem>CCCOC(=O)CC</chem>	Propyl propionate
762	<chem>CCCOC(=O)C</chem>	Propyl acetate
763	<chem>CCCOC=O</chem>	Propyl formate
764	<chem>CCCCCCC(=O)C</chem>	2-octanone
767	<chem>COC1=CC=CC=C1C=O</chem>	O-methoxybenzaldehyde
768	<chem>CC(C)CC(=O)OCCCC1=CC=CC=C1</chem>	Phenethyl isovalerate
769	<chem>CC(CCCC(=C)C)CCOC(=O)C</chem>	Rhodinyl acetate
770	<chem>CCCCCCCCCO</chem>	Nonyl alcohol
771	<chem>CCCCCCCCCOC(=O)C</chem>	Nonyl acetate
773	<chem>CC(=CCCC(=O)C)C</chem>	6-methyl-5-hepten-2-one
775	<chem>CCCOC(=O)CC(C)C</chem>	Propyl isovalerate
776	<chem>CCC(C=C)O</chem>	1-penten-3-ol
777	<chem>CC1=CCC(CC1)C(C)(C)OC=O</chem>	Terpinyl formate
778	<chem>CCC(C)C(=O)OC1CC(CCC1C(C)C)C</chem>	Menthyl isovalerate
779	<chem>CC(=O)OCCCC1=CC=CC=C1</chem>	3-phenylpropyl acetate
780	<chem>COC1=CC=C(C=C1)C=O</chem>	P-methoxybenzaldehyde
781	<chem>COC(CC1=CC=CC=C1)OC</chem>	Phenylacetaldehyde dimethyl acetal
782	<chem>CC(=CCCC(C)(C=C)OC=O)C</chem>	Linalyl formate
783	<chem>CC(CCCC(=C)C)CCOC=O</chem>	Rhodinyl formate
786	<chem>CCC(=O)OC(C)(C)C1CCC(=CC1)C</chem>	Terpinyl propionate
787	<chem>CC(C1=CC=CC=C1)OC(=O)C</chem>	A-methylbenzyl acetate
790	<chem>CC1=CCC(CC1)C(C)(C)OC(=O)CC(C)C</chem>	Terpinyl isovalerate
791	<chem>CC(=CCCC(=CCO)C)C</chem>	Nerol

793	<chem>CCCCCCCCCCC=CC=O</chem>	2-tridecenal
794	<chem>CC(C)CC(=O)OCC=C(C)CCC=C(C)C</chem>	Neryl isovalerate
796	<chem>CC(C)C(C=O)C1=CC=CC=C1</chem>	3-methyl-2-phenylbutyraldehyde
797	<chem>CC(C)CC(=O)OCCC(C)CCCC(=C)C</chem>	Rhodinyl isovalerate
805	<chem>C1CC2=CC=CC=C2C(=O)C1</chem>	Alpha-tetralone
839	<chem>CC(C)C1=CC=C(C=C1)C=NO</chem>	4-Isopropylbenzaloxime
868	<chem>C1=CC=C(C=C1)C2=CC(=O)C3=CC=CC=C3O2</chem>	flavone
893	<chem>C1C(OC2=CC=CC=C2C1=O)C3=CC=CC=C3</chem>	flavanone
902	<chem>C1=CC=C(C=C1)C=CC(=O)C2=CC=CC=C2</chem>	chalcone
905	<chem>C1=CC=C(C=C1)C=CC(=O)C2=CC=C(C=C2)O</chem>	4-hydroxychalcone
919	<chem>C1=CC=C(C=C1)C2=COC3=CC=CC=C3C2=O</chem>	isoflavone
925	<chem>C1=CC=C2C(=C1)C(=O)C3=CC=CC=C3O2</chem>	xanthonee
926	<chem>COC1=CC=C(C=C1)O</chem>	4-hydroxyanisol
929	<chem>C1=CC=C2C(=C1)C=CC=C2C(=O)O</chem>	1-Naphthoic acid
946	<chem>CC1=CCCC(=CC2C(CC1)C(=C)C(=O)O2)C</chem>	costunolide
955	<chem>C1CCN2CC3CC(C2C1)CN4C3CCCC4</chem>	sparteine
961	<chem>CC12CCC(CC1CCC3C2CCC4(C3CCC4=O)C)O</chem>	Androsterone
964	<chem>CC(C)CCCCCCCC=CC(=O)O</chem>	cis-11-Methyl-2-dodecenoic acid
972	<chem>C1=CC=C(C=C1)O)O</chem>	pyrocatechin
974	<chem>C1=CC=C(C=C1)CCN=C=O</chem>	phenylethyl isothiocyanate
1006	<chem>CCCCCCCC=CCC#CC#CC(C=C)O</chem>	falcarinol
1112	<chem>CC1CC2=C(C1=O)NCCC=C2</chem>	7-methyl-2,3,6,7-tetrahydrocyclopenta[b]azepin-8(1H)-one
1176	<chem>CC1CCC(C(C1)O)C(C)C</chem>	L-menthol
1223	<chem>C1CC2C=CC1C=C2C=NO</chem>	(E)-1-(Bicyclo[2.2.2]octa-2,5-dien-2-yl)-N-hydroxymethanimine
1228	<chem>C1=CC=C2C(=C1)C(=CN2)CCO</chem>	2-(1H-indol-3-yl)ethanol
1298	<chem>C1=CN=CN1</chem>	imidazole
1299	<chem>C1=CC=NN=C1</chem>	Pyridazine