

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Ocimum basilicum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	CARYOPHYLLENE	Plant	18.0	3196.0	3.6582342247473596	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
53	LINALOOL	Leaf Essent. Oil	14000.0	593000.0	3.0590616231923224	--
53	LINALOOL	Essential Oil	10.0	630000.0	2.241643366280597	--
0	(E)-BETA-OCIMENE	Plant	1.0	435.0	2.2262230322078222	--
102	CAFFEIC-ACID	Leaf		19100.0	1.933822416683755	--
15	CITRONELLOL	Essential Oil	80000.0	241900.0	1.7378875538585694	--
76	EUGENOL	Essential Oil	300.0	857500.0	1.714831728119204	--
53	CITRAL	Essential Oil		700000.0	1.6605158904602735	--
0	LINALOL	Plant	5.0	8730.0	1.541392799837111	--
0	LINOLENIC-ACID	Seed	50820.0	121000.0	1.5324980081440946	--
5	BETA-ELEMENE	Shoot Essent. Oil	4900.0	81600.0	1.4135003647459183	--
0	GAMMA-CADINENE	Leaf Essent. Oil		22800.0	1.411528302781677	--
0	ALPHA-BISABOLENE	Plant		90.0	1.4102204808154215	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
23	ALPHA-TERPINEOL	Shoot Essent. Oil		9600.0	1.3997084244475302	--
12	STIGMASTEROL	Leaf		180.0	1.194435720377775	--
13	BETA-PINENE	Shoot Essent. Oil	8200.0	9300.0	1.1230823071409943	--
12	ESTRAGOLE	Leaf Essent. Oil	7500.0	900000.0	1.0365049414283074	--
0	BETA-CYMENE	Essential Oil		3600.0	1.0	Hussain, R.A., et. al. 1990. Sweetening Agents of Plant Origin: Phenylpropanoid Constituents of Seven Sweet-Tasting Plants. Econ. Bot. 44 2: 174-182. Program Collab. Res. Pharm. Sci. Coll. Pharmacy Univ. Illinois at Chicago IL 60680, USA.
9	DELTA-CADINENE	Shoot Essent. Oil	2600.0	66600.0	1.0	--
6	BETA-BISABOLENE	Shoot Essent. Oil		2600.0	1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GAMMA-ELEMENE	Shoot Essent. Oil	5800.0	16200.0	1.0	--
0	SPATHULENOL	Shoot Essent. Oil		16700.0	1.0	--
5	EUGENOL-METHYL-ETHER	Leaf Essent. Oil		378000.0	1.0	--
20	METHYL-EUGENOL	Plant	13.0	1400.0	0.9663911485584473	--
0	(Z)-BETA-FARNESENE	Plant		16.0	0.9506541513652698	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	(Z)-BETA-FARNESENE	Plant		16.0	0.9506541513652698	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
29	SAFROLE	Plant	60.0	400.0	0.8497176108557255	--
6	METHYL-CHAVICOL	Plant	238.0	8780.0	0.8345194128913528	--
2	ALPHA-HUMULENE	Shoot Essent. Oil	6700.0	11800.0	0.818288975563984	--
89	URSOLIC-ACID	Stem		845.0	0.7881966335751702	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
12	ESTRAGOLE	Essential Oil	300.0	872100.0	0.7157318089649249	--
0	FAT	Leaf	12000.0	89000.0	0.6483756218635724	--
0	SAPONIN	Plant		50000.0	0.6036784588712457	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ASH	Plant	20000.0	153000.0	0.5778841665437804	--
14	POTASSIUM	Leaf	4290.0	42900.0	0.5544414923455223	--
53	LINALOOL	Plant	5.0	8730.0	0.5167217771424646	--
35	GERANIOL	Essential Oil		100000.0	0.4011550201900289	--
0	ALPHA-TERPINEOL ACETATE	Leaf Essent. Oil		45100.0	0.3967976763338348	--
28	CALCIUM	Leaf	3200.0	23700.0	0.35959605461482125	--
71	THYMOL	Leaf		1415.0	0.34997957884319775	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CIS-OCIMENE	Plant	3.0	252.0	0.3293039459859423	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
27	LINOLEIC-ACID	Seed	53240.0	145200.0	0.32625439958347807	--
53	LINALOOL	Shoot Essent. Oil	49500.0	177100.0	0.31770222209079224	--
53	BETA-CAROTENE	Leaf	4.0	333.0	0.31225803965642646	--
6	IRON	Leaf	48.0	478.0	0.2910263957706515	--
0	WATER	Leaf	771000.0	865000.0	0.28617957864078786	--
23	ALPHA-TERPINEOL	Essential Oil	6700.0	23900.0	0.2853731010302511	--
0	PROTEIN	Leaf	33000.0	240000.0	0.28087283644332645	--
47	BETA-SITOSTEROL	Stem		845.0	0.24120717836480773	--
0	BORNEOL-ACETATE	Essential Oil	5200.0	90000.0	0.2007529553084246	--
64	OLEANOLIC-ACID	Leaf		1700.0	0.19433717473155765	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
76	EUGENOL	Leaf	14.0	8575.0	0.19127842889726174	--
0	CARBOHYDRATE	Leaf	70000.0	652000.0	0.15153471586389045	--
65	MAGNESIUM	Leaf	4100.0	4340.0	0.08273170384575512	USDA's Ag Handbook 8 and sequelae)
9	CAMPHENE	Plant	0.0	400.0	0.07840780100655714	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
4	PHOSPHORUS	Leaf	380.0	5235.0	0.04848893148250219	--
5	EUGENOL-METHYL-ETHER	Essential Oil		26800.0	0.04687758407501351	--
0	BETA-CARYOPHYLLENE	Leaf Essent. Oil		70000.0	0.01096743109356414	--
0	CARBOHYDRATES	Leaf	70000.0	610000.0	-0.014709687051073339	--
0	KILOCALORIES	Plant	430.0	3280.0	-0.019226817903195786	--
53	CITRAL	Plant	560.0	7000.0	-0.02464955373944787	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	ALPHA-BISABOLOL	Plant		90.0	-0.06989988186929946	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
15	FIBER	Leaf	145790.0	154290.0	-0.08959174734898213	--
0	1,8-CINEOL	Essential Oil	33700.0	77600.0	-0.1052841403773199	--
0	FAT	Seed		242000.0	-0.12319080878817229	--
22	MYRCENE	Leaf	2.0	80.0	-0.14380734093480035	--
25	P-COUMARIC-ACID	Leaf		760.0	-0.150429773215176	--
47	BETA-SITOSTEROL	Leaf	790.0	1705.0	-0.15694051781455237	--
15	RIBOFLAVIN	Leaf	3.0	4.0	-0.15911158075734227	--
0	PROTEIN	Seed		214000.0	-0.17609627257566335	--
0	1,8-CINEOL	Leaf Essent. Oil	5000.0	100000.0	-0.19227395568102532	--
2	ALPHA-HUMULENE	Essential Oil		31300.0	-0.1980459026032663	--
23	TERPINEN-4-OL	Plant	2.0	120.0	-0.2292113627770182	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
10	NEROL	Plant	2.5	300.0	-0.24843221504215574	--
112	ASCORBIC-ACID	Leaf	27.0	2000.0	-0.25834558219747267	--
13	BETA-PINENE	Plant	3.0	160.0	-0.2627291295986692	--
47	BETA-SITOSTEROL	Root		408.0	-0.2659856197797314	--
35	GERANIOL	Plant	1.0	1000.0	-0.27782019166414046	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
1	SODIUM	Plant	294.0	386.0	-0.28271053121447925	--
60	LIMONENE	Essential Oil	3100.0	77600.0	-0.2904096059080155	--
23	ALPHA-TERPINEOL	Plant	36.0	239.0	-0.2954805858988341	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
76	EUGENOL	Leaf Essent. Oil	51200.0	270000.0	-0.30638029986732646	--
23	TERPINEN-4-OL	Leaf Essent. Oil	24300.0	25700.0	-0.33110328936252614	--
22	MYRCENE	Leaf Essent. Oil	1000.0	8600.0	-0.3333131413210551	--
39	NIACIN	Leaf	8.0	69.0	-0.34667165096151836	--
13	PALMITIC-ACID	Seed		16940.0	-0.350073884010438	--
0	GAMMA-ELEMENE	Plant		15.0	-0.35322200627257305	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	GAMMA-ELEMENE	Plant		15.0	-0.35322200627257305	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
28	ALPHA-PINENE	Plant	2.0	180.0	-0.35409162350207984	--
0	LINALOL	Plant	30.0	300.0	-0.36439344091845893	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
13	BETA-PINENE	Essential Oil	5500.0	16000.0	-0.37511613864599774	--
12	COPPER	Leaf		14.0	-0.3758429396758034	USDA's Ag Handbook 8 and sequelae)
2	CAMPESTEROL	Leaf		90.0	-0.37970082853926607	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
0	D-LINALOOL	Plant	125.0	1375.0	-0.38805231936457235	--
9	TERPINOLENE	Essential Oil		1000.0	-0.38815736668905965	--
22	MYRCENE	Plant	2.0	80.0	-0.3882101667097782	--
2	GERMACRENE-D	Plant		35.0	-0.3920642941811044	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	GERMACRENE-D	Plant		35.0	-0.3920642941811044	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
28	ALPHA-PINENE	Essential Oil	300.0	18000.0	-0.4016792923021472	--
22	MYRCENE	Shoot Essent. Oil	2600.0	18000.0	-0.40439631676723714	--
14	MANGANESE	Leaf		32.0	-0.40668721364691	USDA's Ag Handbook 8 and sequelae)
16	P-CYMENE	Plant	1.0	16.0	-0.4160900695992076	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	TRANS-OCIMENE	Plant	8.0	161.0	-0.42179956415038755	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	BETA-CARYOPHYLLENE	Essential Oil	6800.0	37700.0	-0.423331277266507	--
22	MYRCENE	Essential Oil		1300.0	-0.4270241436912702	--
47	BETA-SITOSTEROL	Seed		527.0	-0.4287473793704042	--
5	BETA-ELEMENE	Plant		12.0	-0.43128205717178886	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	ALPHA-COPAENE	Plant	0.8	20.0	-0.43857493345252835	--
5	SABINENE	Plant		8.0	-0.4483811260005284	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
35	GERANIOL	Plant		3.0	-0.44914525148490203	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
8	TRANS-ANETHOLE	Plant	11.0	74.0	-0.4532712115799402	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	ALPHA-PINENE	Shoot Essent. Oil	4600.0	7200.0	-0.46017762363908365	--
7	LINALYL-ACETATE	Plant	15.0	240.0	-0.4626561664258833	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	BORNEOL-ACETATE	Leaf Essent. Oil	10000.0	14400.0	-0.46886953625320477	--
2	PHYTOSTEROLS	Leaf		1060.0	-0.47114523357690347	USDA's Ag Handbook 8 and sequelae)
6	FENCHONE	Plant		30.0	-0.4714639178202843	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
6	FENCHONE	Plant		30.0	-0.4714639178202843	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
60	LIMONENE	Plant		20.0	-0.4735121569427471	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
60	LIMONENE	Plant		20.0	-0.4735121569427471	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
31	THIAMIN	Leaf	1.0	6.0	-0.4802995853174522	--
13	ALPHA-TERPINENE	Plant	1.0	10.0	-0.48651836720139585	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
1	SODIUM	Leaf	120.0	890.0	-0.4892147785607772	--
77	ZINC	Leaf	5.0	6.0	-0.48994598747101986	USDA's Ag Handbook 8 and sequelae)
35	TANNIN	Plant		50000.0	-0.4910667725786353	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	BORON	Plant	18.0	31.0	-0.49409835011398384	Betting on Boron, Unpublished draft by J. A. Duke on file at USDA, draft and papers relating to boron percentages. Includes Internat. Z. Vit. Ern. Forschung 43:1973 (boron).
0	PHENYL-ETHYL-ALCOHOL	Plant	18.0	136.0	-0.5062572440365607	--
30	MENTHONE	Plant		1.0	-0.5150338999298373	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
67	1,8-CINEOLE	Plant		135.0	-0.5237695990512106	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
67	1,8-CINEOLE	Plant		135.0	-0.5237695990512106	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
2	ALPHA-HUMULENE	Leaf Essent. Oil		5650.0	-0.5249878546134739	--
11	GAMMA-TERPINENE	Leaf Essent. Oil	2000.0	14900.0	-0.5298384190634473	--
11	GAMMA-TERPINENE	Plant	1.0	10.0	-0.529894116080377	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
9	DELTA-CADINENE	Plant		5.0	-0.5302645800660227	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
9	DELTA-CADINENE	Plant		5.0	-0.5302645800660227	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	ALPHA-COPAENE	Plant		0.8	-0.5360924635311449	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	TERPINOLENE	Leaf Essent. Oil		2600.0	-0.536195561668254	--
0	1,8-CINEOL	Shoot Essent. Oil		54400.0	-0.5387121307211548	--
9	TERPINOLENE	Plant	1.0	22.0	-0.5437369745244341	--
0	EO	Plant		2500.0	-0.5501330222038597	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	EO	Plant		2500.0	-0.5501330222038597	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
23	TERPINEN-4-OL	Essential Oil	1700.0	6800.0	-0.5510718514991831	--
8	STEARIC-ACID	Seed		485.0	-0.5548671871852875	--
57	ROSMARINIC-ACID	Plant	1000.0	19000.0	-0.5696167858896972	--
5	SABINENE	Leaf Essent. Oil	2000.0	3900.0	-0.5747006667443069	--
5	SABINENE	Essential Oil		2500.0	-0.5783801713741707	--
10	NEROL	Essential Oil		30000.0	-0.586310919290707	--
2	GERMACRENE-D	Leaf Essent. Oil		11100.0	-0.6029429234203527	--
76	EUGENOL	Plant		14.0	-0.6109651056315911	--
5	GERANYL-ACETATE	Leaf	11.0	84.0	-0.6125829219693176	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
16	P-CYMENE	Essential Oil		2400.0	-0.6135781849583403	--
63	MENTHOL	Plant	4.0	32.0	-0.6155897076601419	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	ALPHA-HUMULENE	Plant		16.0	-0.6253709820933909	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	ALPHA-HUMULENE	Plant		16.0	-0.6253709820933909	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
6	BETA-BISABOLENE	Plant		6.5	-0.6328717716575204	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
6	BETA-BISABOLENE	Plant		6.5	-0.6328717716575204	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
64	OLEANOLIC-ACID	Flower		1300.0	-0.6357280607585934	--
3	ASPARTIC-ACID	Leaf		16960.0	-0.6357584583519637	USDA's Ag Handbook 8 and sequelae)
41	CAMPHOR	Plant	2.0	31.0	-0.6381982068688171	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
3	MUCILAGE	Seed		93000.0	-0.6574211348716195	--
60	LIMONENE	Leaf Essent. Oil	1000.0	2900.0	-0.6654054021595263	--
19	CARVONE	Shoot Essent. Oil		16000.0	-0.6664162971220318	--
9	CAMPHENE	Essential Oil		900.0	-0.666936586225485	--
35	BORNEOL	Plant		3.0	-0.6682251883160577	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
35	BORNEOL	Plant		3.0	-0.6682251883160577	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
71	THYMOL	Shoot Essent. Oil		1000.0	-0.6751908682417391	--
18	OLEIC-ACID	Seed	26620.0	36300.0	-0.6806928979897604	--
28	ALPHA-PINENE	Leaf Essent. Oil	3700.0	13000.0	-0.6816393866518402	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	BENZALDEHYDE	Essential Oil		700.0	-0.6916241263883828	--
13	ALPHA-TERPINENE	Leaf Essent. Oil		600.0	-0.698535055754104	--
12	ESTRAGOLE	Plant	35.0	9000.0	-0.6985578481954239	--
3	CHAVICOL	Plant		3.0	-0.7071067811865478	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
3	CHAVICOL	Plant		3.0	-0.7071067811865478	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	(E)-BETA-FARNESENE	Plant		7.0	-0.7155078185625302	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
37	CARVACROL	Shoot Essent. Oil		6800.0	-0.7212680383887677	--
23	ALPHA-TERPINEOL	Leaf Essent. Oil	5650.0	7000.0	-0.7232141414984458	--
0	ALPHA-CUBEBENE	Essential Oil		1200.0	-0.7318222037940755	--
0	T-CADINOL	Plant		0.5	-0.7318552362623783	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	T-CADINOL	Plant		0.5	-0.7318552362623783	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
15	CITRONELLOL	Plant		0.2	-0.7485510521834722	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
15	CITRONELLOL	Plant		0.2	-0.7485510521834722	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	NERAL	Plant		5.0	-0.761795742829685	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
13	ALPHA-TERPINENE	Essential Oil		400.0	-0.766355883758014	--
16	P-CYMENE	Leaf Essent. Oil		300.0	-0.7742826608460229	--
0	PROLINE	Leaf		5880.0	-0.7770140055446013	USDA's Ag Handbook 8 and sequelae)
41	CAMPHOR	Leaf Essent. Oil		10000.0	-0.7795867266952746	--
0	BETA-CARYOPHYLLENE	Plant		35.0	-0.7823361395544459	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	BETA-CARYOPHYLLENE	Plant		35.0	-0.7823361395544459	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
35	BORNEOL	Shoot Essent. Oil		1200.0	-0.7871147430282157	--
5	SABINENE	Shoot Essent. Oil	3100.0	3500.0	-0.7938224515162632	--
57	ROSMARINIC-ACID	Shoot		1300.0	-0.7944986102342779	--
9	CAMPHENE	Shoot Essent. Oil		500.0	-0.8123496252026575	--
47	BETA-SITOSTEROL	Flower		1051.0	-0.8129550273341427	--
29	TRYPTOPHAN	Leaf		2210.0	-0.8173232064374916	USDA's Ag Handbook 8 and sequelae)
9	CAMPHENE	Leaf Essent. Oil	300.0	900.0	-0.8450720560025149	--
13	GERANIAL	Plant		5.0	-0.8456994799530183	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
13	GERANIAL	Plant		5.0	-0.8456994799530183	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
60	LIMONENE	Shoot Essent. Oil		7100.0	-0.8611251092370704	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	ARGININE	Leaf		6620.0	-0.863646085190795	USDA's Ag Handbook 8 and sequelae)
1	COPAENE	Essential Oil		1400.0	-0.8722389827292886	--
2	LEUCINE	Leaf		10780.0	-0.8829732628709146	USDA's Ag Handbook 8 and sequelae)
15	METHIONINE	Leaf		2020.0	-0.8867496430331252	USDA's Ag Handbook 8 and sequelae)
35	BORNEOL	Essential Oil		1200.0	-0.9038697263749434	--
5	BETA-ELEMENE	Essential Oil		16100.0	-0.9072086362241611	--
13	BETA-PINENE	Leaf Essent. Oil	7300.0	2000.0	-0.9267593911993299	--
12	GLYCINE	Leaf		6900.0	-0.9337878392435092	USDA's Ag Handbook 8 and sequelae)
13	ALPHA-TERPINENE	Shoot Essent. Oil		300.0	-0.9635029368323148	--
11	NEROLIDOL	Plant		5.0	-0.9701964434020749	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	METHYL-THYMOL	Plant		0.2	-0.9999999999999998	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
8	TRANS-ANETHOLE	Shoot Essent. Oil		6300.0	-1.0	--
9	TERPINOLENE	Shoot Essent. Oil		400.0	-1.0	--
13	GERANIAL	Leaf Essent. Oil		2000.0	-1.0	--
0	ALPHA-COPAENE	Shoot Essent. Oil	300.0	3600.0	-1.0	--
41	CAMPHOR	Shoot Essent. Oil		4500.0	-1.0	--
4	NERAL	Leaf Essent. Oil		1000.0	-1.0	--
0	BORNEOL-ACETATE	Shoot Essent. Oil		4700.0	-1.0	--
13	BETA-EUDESOL	Shoot Essent. Oil		3000.0	-1.0	--
0	GERANIOL-ACETATE	Leaf Essent. Oil		5000.0	-1.0	--
2	OCIMENE	Leaf Essent. Oil		1000.0	-1.0	--
8	TYROSINE	Leaf		4320.0	-1.0238955187502574	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TRANS-OCIMENE	Essential Oil		16100.0	-1.0567716958245414	--
47	BETA-SITOSTEROL	Sprout Seedling		230.0	-1.0962039963725738	--
0	LINALOOL-ACETATE	Leaf Essent. Oil		6000.0	-1.108269136137348	--
0	BETA-CARYOPHYLLENE	Shoot Essent. Oil	2300.0	13900.0	-1.1154717314686748	--
2	CYSTINE	Leaf		1590.0	-1.117533773233964	USDA's Ag Handbook 8 and sequelae)
1	SERINE	Leaf		5610.0	-1.1663710510980512	USDA's Ag Handbook 8 and sequelae)
0	BETA-BOURBONENE	Shoot Essent. Oil		3800.0	-1.183040531089796	--
3	ALANINE	Leaf		7470.0	-1.1923060818343414	USDA's Ag Handbook 8 and sequelae)
41	CAMPHOR	Essential Oil	2100.0	7200.0	-1.1929832436449845	--
8	GLUTAMIC-ACID	Leaf		15650.0	-1.204342874821576	USDA's Ag Handbook 8 and sequelae)
8	TRANS-ANETHOLE	Essential Oil		7400.0	-1.2051729948329528	Hussain, R.A., et. al. 1990. Sweetening Agents of Plant Origin: Phenylpropanoid Constituents of Seven Sweet-Tasting Plants. Econ. Bot. 44 2: 174-182. Program Collab. Res. Pharm. Sci. Coll. Pharmacy Univ. Illinois at Chicago IL 60680, USA.
7	HISTIDINE	Leaf		2870.0	-1.2578053845584176	USDA's Ag Handbook 8 and sequelae)
2	GERMACRENE-D	Shoot Essent. Oil	13600.0	36200.0	-1.277169083049922	--
4	THREONINE	Leaf		5880.0	-1.3106860880630495	USDA's Ag Handbook 8 and sequelae)
16	P-CYMENE	Shoot Essent. Oil		300.0	-1.3971068639782231	--
4	LYSINE	Leaf		6180.0	-1.5226687945679613	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Leaf		7170.0	-1.5483541431568815	USDA's Ag Handbook 8 and sequelae)
3	ISOLEUCINE	Leaf		5880.0	-1.5930724298495411	USDA's Ag Handbook 8 and sequelae)
0	D-MANNURONIC-ACID	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	ERIODICTYOL-7-O-BETA-D-GLUCOSIDE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BORNEOL-ACETATE	Plant	90.0	900.0		--
0	LEDENE	Plant				--
0	BETA-BOURBONENE	Plant				--
0	3-METHYL-BUTAN-1-AL	Shoot Essent. Oil		100.0		--
0	ALPHA-BERGAMOTENE	Plant		75.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
11	NEROLIDOL	Essential Oil				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
53	LINALOOL	Leaf				--
0	TRANS-SABINENE-HYDRATE	Essential Oil				--
0	ALPHA-TERPINYL-ACETATE	Plant				--
9	VALERIC-ACID	Essential Oil				--
0	NONANAL	Plant				--
0	GERANIOL-ACETATE	Essential Oil				--
2	OCIMENE	Essential Oil				--
0	CINNAMIC-ACID-METHYL-ESTER	Leaf				--
0	ALPHA-FENCHYL-ALCOHOL	Shoot Essent. Oil		2800.0		--
12	STIGMASTEROL	Plant				Stitt, Paul. Why George should eat broccoli.
0	ALPHA-CUBEBENE	Shoot Essent. Oil		2800.0		--
0	TRANS-CINNAMIC-ACID-METHYL-ESTER	Plant	350.0	7000.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
71	THYMOL	Essential Oil				--
5	EUGENOL-METHYL-ETHER	Shoot Essent. Oil	2000.0	8200.0		--
0	CALAMENENE	Shoot Essent. Oil		600.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	NEROLIDOL	Shoot Essent. Oil		4700.0		--
2	BETA-MYRCENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	ALPHA-FENCHENE	Essential Oil				--
0	D-MANNOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	EO	Shoot				--
0	BETAPELEMENE	Plant		12.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
4	PHELLANDRENE	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
3	MUCILAGE	Seed Oil				--
0	L-RHAMNOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	2-ETHYL-FURAN	Shoot Essent. Oil		100.0		--
0	ALPHA-AMORPHENE	Plant				--
1	NEROLIDIOL	Plant		5.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
5	BETA-THUJONE	Plant				--
0	HYDROXY-BENZOIC-ACID-4-BETA-D-GLUCOSIDE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	METHYL-ISOEUGENOL	Plant				--
1	FENCHYL-ALCOHOL	Plant		7.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
35	GERANIOL	Shoot Essent. Oil	1100.0	3900.0		--
0	CIS-SABINENE-HYDRATE	Plant				--
0	CINNAMIC-ACID-METHYL-ESTER	Leaf Essent. Oil	45200.0	538000.0		--
0	ALPHA-FENCHONE	Shoot Essent. Oil		1300.0		--
0	TRANS-CINNAMIC-ACID	Plant	350.0	7000.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
29	ESCULIN	Leaf				--
8	CARYOPHYLLENE-OXIDE	Essential Oil				--
102	CAFFEIC-ACID	Tissue Culture				--
0	QUERCETIN-3-O-DIGLUCOSIDE	Leaf				--
1	NEROLIDIOL	Essential Oil				--
0	ALPHA-FARNESENE	Plant				--
3	ALPHA-CEDRENE	Essential Oil				--
30	MENTHONE	Essential Oil				--
0	KAEMPFEROL-3-O-BETA-D-RUTINOSIDE	Leaf				--
0	1-EPI-BICYCLOSQUIPHELLANDRENE	Essential Oil				--
1	D-GLUCOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HUMULENE-EPOXIDE	Plant		0.2		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	URSOLIC-ACID-II	Leaf	413.0	1144.0		--
89	URSOLIC-ACID	Sprout Seedling		63.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	KAEMPFEROL-GLYCOSIDE	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
1	FENCHYL-ALCOHOL	Plant		7.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	CHAVICOL-METHYL-ESTER	Essential Oil		22400.0		--
30	ESCULETIN	Leaf				Plantes Medicinales et Phytotherapie, 24: 193.
176	QUERCETIN	Leaf				--
0	NEROL-ACETATE	Shoot Essent. Oil		2500.0		--
0	BETA-CYMENE	Plant	5.0	36.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	HEXAN-1-AL	Shoot Essent. Oil				--
0	ALPHA-CUBEBENE	Plant				--
2	P-METHOXYCINNAMALDEHYDE	Essential Oil	1000.0	4000.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
63	MENTHOL	Essential Oil				--
75	KAEMPFEROL	Leaf				--
9	BENZYL-ALCOHOL	Essential Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1-EPI-BICYCLOSEQUIPELLANDRENE	Leaf Essent. Oil				--
16	ACETIC-ACID	Essential Oil				--
0	D-GALACTURONIC-ACID	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	CYCLOHEXANONE	Essential Oil				--
0	HUMULENE-EPOXIDE	Plant		0.2		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	TRANS-CINNAMIC-ACID-METHYL-ESTER	Shoot Essent. Oil		126600.0		--
3	ALPHA-SELINENE	Plant				--
89	URSOLIC-ACID	Leaf				--
0	FENCHYL-ACETATE	Plant	1.0	60.0		--
0	CIS-LIMONENE	Plant	30.0	933.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CHAVICOL-METHYL-ESTER	Shoot Essent. Oil		667500.0		--
0	SESQUITHUJENE	Plant				--
0	TRANS-ALLO-OCIMENE	Plant				--
0	ERIODICTYOL-7-O-GLUCOSIDE	Leaf				Plantes Medicinales et Phytotherapie, 24: 193.
76	EUGENOL	Shoot Essent. Oil	5700.0	26700.0		--
1	CAPROIC-ACID	Essential Oil				--
10	NEROL	Shoot Essent. Oil		700.0		--
78	LUTEOLIN	Plant				Stitt, Paul. Why George should eat broccoli.
0	BETA-CUBEBENE	Plant				--
0	HEXAHYDROFARNESYL-ACETONE	Shoot Essent. Oil		4400.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LINALOOL-ACETATE	Shoot Essent. Oil		2400.0		--
0	JUVOCIMENE-II	Plant	0.007	0.05		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
9	BENZYL-ACETATE	Leaf	17.0	163.0		--
0	1,8-CINEOL	Leaf				--
0	5,10(15)-CADINEN-4-OL	Plant		1.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
57	ROSMARINIC-ACID	Tissue Culture				--
0	D-GALACTOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	CYCLOHEXANOL	Essential Oil				--
2	HUMULENE	Essential Oil				--
0	TRANS-CINNAMIC-ACID-METHYL-ESTER	Leaf Essent. Oil		47300.0		--
0	ALPHA-SANTALENE	Essential Oil				--
0	URSOLIC-ACID-II	Sprout Seedling		63.0		--
89	URSOLIC-ACID	Flower		1740.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
37	CARVACROL	Plant				--
13	GERANIAL	Shoot Essent. Oil		2100.0		--
0	CIS-CINNAMIC-ACID-METHYL-ESTER	Plant	67.0	900.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	ALPHA-CARYOPHYLLENE	Shoot Essent. Oil				--
0	JUVOCIMENE-II	Essential Oil		5.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TERPINENE	Leaf				--
10	ERIODICTYOL	Leaf				--
6	PROPIONIC-ACID	Essential Oil				--
0	BETA-OCIMENE	Shoot Essent. Oil				--
0	BETA-CEDRENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	ALPHA-BULNESENE	Shoot Essent. Oil		2600.0		--
0	HEX-CIS-3-EN-1-OL-ACETATE	Essential Oil		500.0		--
0	JUVOCIMENE-I	Plant	0.007	0.05		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	1,8-CINEOL	Flower Essent. Oil				--
0	5,10(15)-CADINEN-4-OL	Plant		1.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
3	XYLOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	FLAVONOIDS	Plant				--
0	GAMMA-MUUROLENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
57	ROSMARINIC-ACID	Root				--
0	D-ARABINOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	TRANS-CINNAMIC-ACID-METHYL-ESTER	Flower Essent. Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(E)-ALPHA-BERGAMOTENE	Plant		75.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	UNDECYLALDEHYDE	Plant		0.0		--
0	GAMMA-CADINENE	Essential Oil				--
1	CIS-ANETHOLE	Plant				--
0	SAMBULENE	Leaf				--
0	JUVOCIMENE-I	Essential Oil		5.0		--
23	TERPINEN-4-OL	Shoot Essent. Oil				--
12	ESTRAGOLE	Shoot Essent. Oil				--
0	CALAMENE	Plant				--
2	BETA-MYRCENE	Essential Oil				--
0	ALPHA-BISABOLENE	Shoot Essent. Oil		36000.0		--
0	HEX-CIS-3-EN-1-OL-ACETATE	Shoot Essent. Oil				--
3	ALPHA-CEDRENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
4	ORIENTIN	Plant				Stitt, Paul. Why George should eat broccoli.
0	LINALOOL-ACETATE	Essential Oil				--
22	ISOQUERCITRIN	Leaf				--
0	3-OCTANONE	Plant				--
0	XI-BULGARENE	Plant				--
0	GAMMA-GURJUNENE	Plant				--
0	POLYSACCHARIDE	Seed				--
0	TRANS-CINNAMIC-ACID	Leaf Essent. Oil				--
0	ALPHA-P-DIMETHYL-STYRENE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(3)-BETA-FARNESENE	Plant		7.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
3	AESCULOSIDE	Flower				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	GAMMA-GUAIENE	Shoot Essent. Oil		42600.0		--
0	CIS-ALLO-OCIMENE	Plant				--
0	SALICYLIC-ACID-2-BETA-D-GLUCOSIDE	Leaf				--
12	ESTRAGOLE	Flower Essent. Oil				--
0	CAFFEIC-ACID-N-BUTYL-ESTER	Leaf		252.0		--
4	NERAL	Shoot Essent. Oil		2000.0		--
13	BETA-IONONE	Shoot Essent. Oil		1600.0		--
0	ALPHA-BERGAMOTENE	Essential Oil				--
0	HEX-CIS-2-EN-1-OL-BUTYRATE	Shoot Essent. Oil		500.0		--
0	ALPHA-CADINENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
36	ANETHOLE	Essential Oil				--
0	2-EPI-ALPHA-CEDRENE	Plant				--
3	XANTHOMICROL	Leaf		350.0		--
0	OCTEN-1-OL-ACETATE	Shoot Essent. Oil		300.0		--
0	CYCLOSATIVENE	Plant				--
0	T-CADINOL	Shoot Essent. Oil		71400.0		--
0	ALPHA-MUUROLENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	URSOLIC-ACID-II	Flower		1274.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SESQUITHUJENE	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
17	FARNESOL	Plant				--
1	CIS-3-HEXENOL	Plant				--
0	GAMMA-MUUROLENE	Essential Oil				--
3	BETA-SELINENE	Plant				--
0	DELTA-GUAIENE	Plant				--
12	ESTRAGOLE	Leaf				--
0	PLANTEOSE	Seed				--
0	MYRCENOL	Essential Oil				--
0	ALPHA-AMORPHENE	Essential Oil				--
0	ALPHA-BULNESENE	Plant		6.5		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
2	ELEMOL	Essential Oil				--
0	(E)-ALPHA-BERGAMOTTENE	Plant		75.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	SYRINGOYL-GLUCOSE	Leaf				--
53	LINALOOL	Flower Essent. Oil		416000.0		--
0	ISOEUGENOL-METHYL-ETHER	Plant				Stitt, Paul. Why George should eat broccoli.
101	APIGENIN	Plant				Stitt, Paul. Why George should eat broccoli.
0	1-OCTEN-3-OL	Plant				--
12	VICENIN-2	Leaf				--
0	QUERCETIN-GLYCOSIDE	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	OCTAN-1-OL-ACETATE	Shoot Essent. Oil		1700.0		--
0	CIS-GERANYL-ACETONE	Shoot Essent. Oil		1400.0		--
30	ANTHOCYANINS	Leaf				--
0	3-OCTANONE	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
20	ALPHA-BISABOLOL	Essential Oil				--
0	TRICYCLEN	Essential Oil				--
5	EUGENOL-METHYL-ETHER	Plant	375.0	2500.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CINNAMIC-ACID-METHYL-ESTER	Essential Oil				--
5	METHYL-CINNAMATE	Plant	1.0	2800.0		--
0	CIS-LINALOOL-OXIDE	Essential Oil		800.0		--
2	BETA-SANTALENE	Essential Oil				--
2	P-METHOXYCINNAMALDEHYDE	Flower Essent. Oil		40000.0		--
0	TERPINEN-1-OL	Essential Oil				--
6	BUTYRIC-ACID	Essential Oil				--
0	BETA-CADINOL	Essential Oil				--
33	AESCULIN	Leaf				--
0	ALPHA-BULNESENE	Plant		6.5		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	OCTANOL	Plant				--
16	ISOEUGENOL	Plant	8.0	95.0		--
0	(-)-LINALOOL	Leaf Essent. Oil		20000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
36	ANETHOLE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	(-)-LINALOOL	Plant	30.0	300.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	1-EPI-BICYCLOSQUIPHELLANDRENE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	VANILLIC-ACID-4-BETA-D-GLUCOSIDE	Leaf				--
0	P-METHOXYBENZALDEHYDE	Plant				--
0	GAMMA-CADINENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	GERMACRENE-A	Shoot Essent. Oil		1500.0		--
0	OCTAN-1-OL	Shoot Essent. Oil				--
0	CIS-CINNAMIC-ACID-METHYL-ESTER	Shoot Essent. Oil		14500.0		--
0	SYRINGIC-ACID-4-BETA-D-GLUCOSIDE	Leaf				--
0	TRANS-SABINENE-HYDRATE	Plant				--
0	TRANS-LINALOOL-OXIDE	Essential Oil		800.0		--
6	FENCHONE	Shoot Essent. Oil		12900.0		--
0	CHAVICOL-METHYL-ETHER	Plant	500.0	5658.0		--
87	RUTIN	Leaf				--
0	CIS-LIMONENE	Essential Oil		93300.0		--
16	P-CYMENE	Tissue Culture				--
3	BETA-DAMASCENONE	Shoot Essent. Oil		1700.0		--
0	BETA-CADINENE	Plant				--
32	AESCULETIN	Leaf				--
19	CARVONE	Plant				Stitt, Paul. Why George should eat broccoli.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
35	TANNIN	Tissue Culture				--
1	ISOCARYOPHYLLENE	Plant				--
0	URSOLIC-ACID-II	Stem		106.0		--
6	ALPHA-THUJONE	Plant				--
0	(-)-CEDRENOL	Shoot Essent. Oil				--
6	O-METHOXYCINNAMALDEHYDE	Plant				--
6	FURFURAL	Plant				--
0	CIS-CINNAMIC-ACID-METHYL-ESTER	Flower Essent. Oil				--
0	ALPHA-GUAIENE	Shoot Essent. Oil		1300.0		--
7	SUCCINIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
0	ALPHA-GUAIENE	Plant				--
0	BETA-CUBEBENE	Shoot Essent. Oil		3700.0		--
0	BETA-TERPINENE	Leaf Essent. Oil		28000.0		--
0	BETA-OCIMENE	Plant	1.0	435.0		--