

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Citrus limon

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
176	QUERCETIN	Flower				--
112	ASCORBIC-ACID	Fruit	5208.0	5566.0	0.061588136058018224	--
112	ASCORBIC-ACID	Fruit Juice				Jim Duke's personal files.
102	CAFFEIC-ACID	Fruit	21.0	35.0	-0.3324337022744836	--
87	RUTIN	Leaf				Jim Duke's personal files.
87	RUTIN	Fruit	1.0	2.0	-0.6531383244068485	--
78	LUTEOLIN	Flower				--
71	THYMOL	Leaf Essent. Oil		11000.0	1.0	Jim Duke's personal files.
71	THYMOL	Pericarp Essent. Oil	53000.0	111000.0		Jim Duke's personal files.
67	1,8-CINEOLE	Leaf Essent. Oil	11000.0	50000.0	-0.6565847961763176	Jim Duke's personal files.
62	CAFFEINE	Flower		50.0	0.21997067253202995	--
61	FERULIC-ACID	Fruit	14.0	40.0	-0.3813850356982369	--
60	LIMONENE	Leaf Essent. Oil	284000.0	754000.0	2.654734671831716	--
60	LIMONENE	Pericarp Essent. Oil	512000.0	774000.0		--
60	LIMONENE	Petiole		3090.0		--
60	LIMONENE	Fruit Essent. Oil	512000.0	980000.0	1.267182025507371	Jim Duke's personal files.
60	LIMONENE	Essential Oil	2796.0	8000.0	-0.6910184174131357	--
56	NARINGENIN	Pericarp				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
53	LINALOOL	Pericarp				Jim Duke's personal files.
53	LINALOOL	Leaf Essent. Oil	18000.0	81000.0	-0.1829511978385886	Jim Duke's personal files.
53	LINALOOL	Pericarp Essent. Oil	7000.0	111000.0		Jim Duke's personal files.
53	CITRAL	Fruit Essent. Oil		6000.0		Jim Duke's personal files.
53	CITRAL	Pericarp				--
53	BETA-CAROTENE	Fruit	0.0	2.0	-0.14693466516508752	--
53	CITRAL	Essential Oil	250.0	300.0	-0.7878308981922465	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	LINALOOL	Petiole		12.0		--
53	LINALOOL	Essential Oil	8.0	30.0	-0.583010006932893	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
47	BETA-SITOSTEROL	Fruit		80.0	-0.6891305552196143	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
47	BETA-SITOSTEROL	Plant				--
44	SCOPOLETIN	Leaf				Jim Duke's personal files.
44	SCOPOLETIN	Shoot				Jim Duke's personal files.
39	NIACIN	Fruit	10.0	19.0	-0.5574314089774005	--
35	GERANIOL	Leaf Essent. Oil	13000.0	60200.0	-0.6318280565838599	Jim Duke's personal files.
35	GERANIOL	Petiole		80.0		--
35	GERANIOL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
35	GERANIOL	Pericarp				Jim Duke's personal files.
34	DIOSMIN	Fruit		5.0		--
34	DIOSMIN	Leaf				Jim Duke's personal files.
31	CARYOPHYLLENE	Essential Oil	11.0	28.0	-0.7680967243064245	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
31	HESPERIDIN	Leaf				Jim Duke's personal files.
31	CARYOPHYLLENE	Leaf Essent. Oil				Jim Duke's personal files.
31	HESPERIDIN	Pericarp	20500.0	68800.0	0.9831655478788394	Jim Duke's personal files.
31	HESPERIDIN	Fruit				Jim Duke's personal files.
31	THIAMIN	Fruit	4.0	6.0	0.08541669233982067	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	ALPHA-PINENE	Essential Oil	40.0	500.0	-0.5556700287286983	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	ALPHA-PINENE	Leaf Essent. Oil	500.0	2000.0	-0.7421534872468563	Jim Duke's personal files.
28	CALCIUM	Fruit	700.0	3227.0	-0.14521436633635507	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	ALPHA-PINENE	Pericarp Essent. Oil	5000.0	14000.0		Jim Duke's personal files.
28	ALPHA-PINENE	Fruit Essent. Oil		7000.0	-0.7563238037559155	Jim Duke's personal files.
28	ALPHA-PINENE	Pericarp				Jim Duke's personal files.
28	ALPHA-PINENE	Petiole		90.0		--
28	ADENOSINE	Pericarp				Jim Duke's personal files.
26	BERGAPTEN	Essential Oil		10.0		Jim Duke's personal files.
26	BERGAPTEN	Plant				Jim Duke's personal files.
26	BERGAPTEN	Fruit Essent. Oil				Jim Duke's personal files.
25	IMPERATORIN	Fruit Essent. Oil				Jim Duke's personal files.
25	IMPERATORIN	Fruit				--
25	P-COUMARIC-ACID	Fruit	6.0	102.0	-0.20876433550573723	--
24	PECTIN	Exocarp				Jim Duke's personal files.
24	PECTIN	Pericarp				--
23	ALPHA-TERPINEOL	Petiole		32.0		--
23	CITRIC-ACID	Fruit Juice				Jim Duke's personal files.
23	TERPINEN-4-OL	Petiole		22.0		--
23	TERPINEN-4-OL	Essential Oil	1.0	40.0	-0.6167580897613645	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
23	TERPINEN-4-OL	Leaf Essent. Oil	29600.0	31000.0	-0.2861319108695746	Jim Duke's personal files.
23	CITRIC-ACID	Fruit		59500.0	0.3223249898875974	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
23	ALPHA-TERPINEOL	Essential Oil	6.0	50.0	-0.7708262254085273	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
23	TERPINEN-4-OL	Pericarp Essent. Oil	1000.0	11000.0		Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	ALPHA-TERPINEOL	Leaf Essent. Oil	4000.0	125000.0	1.6609342933031976	Jim Duke's personal files.
23	ALPHA-TERPINEOL	Pericarp Essent. Oil	4000.0	73000.0		Jim Duke's personal files.
23	ALPHA-TERPINEOL	Pericarp				Jim Duke's personal files.
22	MYRCENE	Petiole		75.0		--
22	SCOPARONE	Leaf				Jim Duke's personal files.
22	UMBELLIFERONE	Shoot				Jim Duke's personal files.
22	SCOPARONE	Bark		162.5		Jim Duke's personal files.
22	MYRCENE	Pericarp Essent. Oil				Jim Duke's personal files.
22	MYRCENE	Pericarp				Jim Duke's personal files.
22	MYRCENE	Essential Oil	65.0	1270.0	-0.42741750795730477	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
22	MYRCENE	Leaf Essent. Oil	5500.0	10000.0	-0.32786228882013646	Jim Duke's personal files.
20	CITRONELLAL	Pericarp				Jim Duke's personal files.
20	CITRONELLAL	Essential Oil				Jim Duke's personal files.
20	CITRONELLAL	Petiole		3.0		--
20	CITRONELLAL	Leaf Essent. Oil	25000.0	89000.0	-1.0	Jim Duke's personal files.
20	CITRONELLAL	Pericarp Essent. Oil				Jim Duke's personal files.
19	D-LIMONENE	Leaf Essent. Oil	99000.0	667000.0	1.0	Jim Duke's personal files.
19	CARVONE	Essential Oil				Jim Duke's personal files.
19	D-LIMONENE	Pericarp				Jim Duke's personal files.
19	D-LIMONENE	Essential Oil				Jim Duke's personal files.
19	D-LIMONENE	Pericarp Essent. Oil		694400.0		Jim Duke's personal files.
16	ACETIC-ACID	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
16	P-CYMENE	Essential Oil	12.0	31.0	-0.6331366260891432	--
16	P-CYMENE	Pericarp Essent. Oil				Jim Duke's personal files.
16	P-CYMENE	Petiole		7.5		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
16	P-CYMENE	Leaf Essent. Oil	4100.0	20000.0	-0.4814765484301064	Jim Duke's personal files.
15	CITRONELLOL	Leaf Essent. Oil	3700.0	14000.0	-0.9724708703903254	Jim Duke's personal files.
15	FIBER	Fruit	17000.0	47000.0	-0.8934118438004772	--
15	LUTEIN	Fruit	0.12	1.2	-0.731124155967682	--
15	OSTHOL	Root				Jim Duke's personal files.
15	CITRONELLOL	Pericarp Essent. Oil				Jim Duke's personal files.
15	ISOPIMPINELLIN	Plant				--
15	CITRONELLOL	Pericarp				Jim Duke's personal files.
15	TANGERETIN	Pericarp				Jim Duke's personal files.
15	RIBOFLAVIN	Fruit	2.0	3.0	-0.4303249009534089	--
14	POTASSIUM	Fruit		14700.0	-0.28457604716385243	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
13	GERANIAL	Pericarp Essent. Oil		17600.0		Jim Duke's personal files.
13	BETA-PINENE	Pericarp Essent. Oil				Jim Duke's personal files.
13	BETA-PINENE	Fruit Essent. Oil		7000.0	-0.6959144908685471	Jim Duke's personal files.
13	ALPHA-TERPINENE	Petiole		8.0		--
13	BETA-PINENE	Leaf Essent. Oil		7000.0	-0.6862264928828316	Jim Duke's personal files.
13	DIOSMETIN	Plant				--
13	GERANIAL	Petiole		60.0		--
13	BETA-PINENE	Pericarp				Jim Duke's personal files.
13	BETA-PINENE	Petiole		595.0		--
13	ALPHA-TERPINENE	Pericarp				Jim Duke's personal files.
13	GERANIAL	Essential Oil	42.0	236.0	1.0	--
13	BETA-PINENE	Essential Oil	40.0	1270.0	-0.7021862831547401	--
13	ALPHA-TERPINENE	Essential Oil		70.0	-0.7756123212065256	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
13	GERANIAL	Leaf Essent. Oil	3000.0	233000.0	1.0	Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
12	VICENIN-2	Pericarp				Jim Duke's personal files.
12	NARINGIN	Leaf				Jim Duke's personal files.
12	NARINGIN	Pericarp				Jim Duke's personal files.
12	STIGMASTEROL	Fruit		10.0	-1.0338847831220805	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
11	GAMMA-TERPINENE	Essential Oil	290.0	1400.0	-0.8030057127991168	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
11	ALPHA-PHELLANDRENE	Petiole		2.0		--
11	GAMMA-TERPINENE	Leaf Essent. Oil	3000.0	44000.0	-0.14954213307604686	Jim Duke's personal files.
11	GAMMA-TERPINENE	Pericarp Essent. Oil	12000.0	83200.0		Jim Duke's personal files.
11	GAMMA-TERPINENE	Petiole		535.0		--
11	ALPHA-PHELLANDRENE	Essential Oil		20.0	-0.5926545907300464	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
11	TYRAMINE	Leaf				--
11	ISORHAMNETIN	Flower				--
11	PERILLALDEHYDE	Fruit				--
11	GAMMA-TERPINENE	Pericarp				Jim Duke's personal files.
10	NEROL	Pericarp Essent. Oil				Jim Duke's personal files.
10	NEROL	Petiole		41.0		--
10	NEROL	Pericarp				Jim Duke's personal files.
10	NEROL	Leaf Essent. Oil	8000.0	76000.0	-1.0	Jim Duke's personal files.
9	TERPINOLENE	Petiole		26.0		--
9	SINAPIC-ACID	Fruit	14.0	18.0	0.6272500481871801	--
9	TERPINOLENE	Essential Oil	14.0	120.0	-0.39476259711357375	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	CAMPHENE	Essential Oil	2.0	50.0	-0.6924881415674572	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	TERPINOLENE	Pericarp Essent. Oil				Jim Duke's personal files.
9	CAMPHENE	Petiole		3.0		--
9	SYRINGIN	Pericarp				Jim Duke's personal files.
9	TERPINOLENE	Leaf Essent. Oil				Jim Duke's personal files.
9	CAMPHENE	Leaf Essent. Oil				Jim Duke's personal files.
8	ISOIMPERATORIN	Fruit Essent. Oil				Jim Duke's personal files.
8	ISOIMPERATORIN	Essential Oil				--
8	GLUTAMIC-ACID	Plant				--
8	DELTA-3-CARENE	Petiole		1.0		--
8	NOBILETIN	Pericarp				Jim Duke's personal files.
8	CARYOPHYLLENE-OXIDE	Leaf Essent. Oil	0.8	15600.0	1.322705019532784	Jim Duke's personal files.
7	SALICYLATES	Fruit		0.0	-0.3367420403588193	--
7	LINALYL-ACETATE	Essential Oil				--
6	IRON	Fruit	23.0	72.0	-0.24188358819633976	--
6	NEOHESPERIDIN	Pericarp				Jim Duke's personal files.
6	BETA-BISABOLENE	Essential Oil	23.0	400.0	-1.0	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
6	OXYPEUCEDANIN	Fruit Essent. Oil				Jim Duke's personal files.
6	BETA-BISABOLENE	Petiole		25.0		--
6	BETA-BISABOLENE	Leaf Essent. Oil		8000.0	-0.45226094922261545	Jim Duke's personal files.
6	OXYPEUCEDANIN	Essential Oil		207.0		--
6	STACHYDRINE	Plant				--
5	SYNEPHRINE	Pericarp				Jim Duke's personal files.
5	BETA-ELEMENE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	LIMONIN	Seed				Jim Duke's personal files.
5	LIMONIN	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
5	GERANYL-ACETATE	Petiole		12.0		--
5	OCTANOIC-ACID	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	ZEAXANTHIN	Leaf				--
5	SABINENE	Pericarp Essent. Oil				Jim Duke's personal files.
5	HEXANAL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	BYAKANGELICIN	Fruit Essent. Oil				Jim Duke's personal files.
5	GERANYL-ACETATE	Essential Oil	12.0	310.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	SABINENE	Essential Oil	50.0	175.0	-0.5948547061177535	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	BYAKANGELICIN	Essential Oil		29.0		--
5	SABINENE	Petiole		95.0		--
5	SABINENE	Leaf Essent. Oil		10000.0	-0.4720621937310914	Jim Duke's personal files.
5	NERYL-ACETATE	Petiole		13.0		--
5	SYNEPHRINE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	NERAL	Pericarp Essent. Oil				Jim Duke's personal files.
4	NERAL	Essential Oil	27.0	130.0	1.0	--
4	NERAL	Leaf Essent. Oil	4000.0	172700.0	1.0	Jim Duke's personal files.
4	ISOVITEXIN	Pericarp				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	CADINENE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
4	PHOSPHORUS	Fruit	100.0	1979.0	-0.3757244939645237	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	OSTHOLE	Root				--
4	NERAL	Petiole		60.0		--
3	DECANOIC-ACID	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	MUCILAGE	Fruit				--
3	SESELIN	Leaf				Jim Duke's personal files.
3	SESELIN	Root				Jim Duke's personal files.
3	BETA-PHELLANDRENE	Leaf Essent. Oil		3300.0	-0.6449387865926303	Jim Duke's personal files.
3	NOOTKATONE	Petiole		0.0		--
3	BETA-PHELLANDRENE	Pericarp Essent. Oil		65900.0		Jim Duke's personal files.
3	HEXANOL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	GERANYL-BUTYRATE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	DIPHENYLAMINE	Plant				Jim Duke's personal files.
3	ISOPULEGOL	Leaf Essent. Oil		40000.0	-1.0	Jim Duke's personal files.
3	OBACUNONE	Seed				Jim Duke's personal files.
3	NOOTKATONE	Essential Oil		1.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	NOOTKATONE	Tissue Culture				Jim Duke's personal files.
3	NOOTKATONE	Plant				--
3	BETA-PHELLANDRENE	Petiole		8.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	BETA-PHELLANDRENE	Essential Oil		80.0	-1.254423892232491	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	AUREUSIDIN	Plant				--
2	CITRONELLYL-ACETATE	Petiole		1.0		--
2	AURAPTEN	Fruit Essent. Oil				Jim Duke's personal files.
2	ALPHA-HUMULENE	Petiole		1.5		--
2	UNDECANAL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	PHELLOPTERIN	Fruit Essent. Oil				Jim Duke's personal files.
2	CITRONELLYL-ACETATE	Plant	4.0	20.0	-0.6827759635190207	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	DODECANAL	Essential Oil		10.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	NEOXANTHIN	Leaf				--
2	CAMPESTEROL	Fruit		20.0	-0.48957181191497545	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
2	GERANYL-FORMATE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	ALPHA-HUMULENE	Essential Oil		10.0	-0.48105436900291004	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	NOMILIN	Sprout Seedling				Jim Duke's personal files.
2	2-NONENAL	Petiole		1.0		--
2	NOMILIN	Seed				Jim Duke's personal files.
2	OCIMENE	Leaf Essent. Oil				Jim Duke's personal files.
2	CONIFERIN	Pericarp				Jim Duke's personal files.
2	RHOIFOLIN	Leaf				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	BERGAMOTTIN	Essential Oil		649.0		Jim Duke's personal files.
2	HERACLENIN	Fruit Essent. Oil				Jim Duke's personal files.
2	NERYL-FORMATE	Essential Oil		20.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	DODECANAL	Petiole		0.0		--
2	OXYPEUCEDANIN-HYDRATE	Essential Oil		64.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	PHELLOPTERIN	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	FARNESENE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	BERGAMOTTIN	Fruit Essent. Oil				Jim Duke's personal files.
2	DECANOL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	PHYTOSTEROLS	Fruit		120.0	-1.0633155337611349	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
2	VIOLAXANTHIN	Leaf				--
1	SODIUM	Fruit		470.0	-0.13938121430353298	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	CARVEOL	Essential Oil				Jim Duke's personal files.
1	DODECANOIC-ACID	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
1	DECAN-1-AL	Pericarp				Jim Duke's personal files.
1	NARIRUTIN	Leaf				Jim Duke's personal files.
1	SELINENE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	CARVEOL	Petiole		0.0		--
1	NARIRUTIN	Pericarp		3600.0	1.0	Jim Duke's personal files.
1	PABULENOL	Fruit Essent. Oil				Jim Duke's personal files.
1	XANTHYLETIN	Root				Jim Duke's personal files.
1	N-METHYL-TYRAMINE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	XANTHOXYLETIN	Root				Jim Duke's personal files.
1	DECYL-ACETATE	Plant		5.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	HEPTANAL	Essential Oil		4.0	-1.0	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	OCTYL-ALDEHYDE	Essential Oil				--
0	5-ISOPENTENOXY-7-METHOXYCOUMARIN	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	BETA-BERGAMOTENE	Leaf Essent. Oil		8000.0		Jim Duke's personal files.
0	NONAN-1-OL	Leaf Essent. Oil		14000.0		Jim Duke's personal files.
0	OCTANOL	Petiole		2.0		--
0	TETRAHYDROGERANIOL	Essential Oil		10.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	LIMETTIN	Shoot				Jim Duke's personal files.
0	NEOHESPERIDOSIDE	Pericarp				--
0	3-(3',4',5'-TRIMETHOXY-PHENYL)-2-PROPENYL-PROPIONATE	Fruit Essent. Oil				Jim Duke's personal files.
0	NONYL-ALDEHYDE	Essential Oil				--
0	4',5,7-TRIHYDROXY-3',8-DIMETHOXY-FLAVONE-3-O-BETA-D-GLUCOSIDE	Pericarp				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CITRONIN	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	LIMONOATE-A-RING-LACTONE	Fruit				--
0	LIMONOATE-A-RING-LACTONE	Leaf				Jim Duke's personal files.
0	LAURALDEHYDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	QUERCETIN-3,5-DIGLUCOSIDE	Plant				--
0	5-GERANYL-OXY-7-METHOXY-COUMARIN	Fruit Essent. Oil				Jim Duke's personal files.
0	5-(3'-METHYL-BUT-2'-ENYL-OXY)-8-(2',3'-DIHYDROXY-3'-METHYL-BUTYL-OXY)-PSORALEN	Fruit Essent. Oil				Jim Duke's personal files.
0	BETA-HUMULENE	Essential Oil		10.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ISOLIMOCITROL	Pericarp				Jim Duke's personal files.
0	PE	Plant				--
0	EPIJASMONIC-ACID-METHYL-ESTER	Pericarp				Jim Duke's personal files.
0	ASH	Fruit		28000.0	-0.7422580290226741	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	HEPTADECANAL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	OCTYL-ACETATE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	5-GERANYL-OXYPORALEN	Pericarp				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	DECANAL	Essential Oil	6.0	20.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	NONAN-1-AL	Pericarp				Jim Duke's personal files.
0	METHYL-HEPTENONE	Leaf Essent. Oil		6000.0		--
0	OCTANAL	Petiole		2.0		--
0	TETRADECANE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	3-(3',4',5'-TRIMETHOXY-PHENYL)-2-PROPENYL-ACETATE	Fruit Essent. Oil				Jim Duke's personal files.
0	NONYL-ACETATE	Plant				--
0	4',5,7-TRIHIDROXY-3',6,8-TRIMETHOXY-FLAVONE-3-O-BETA-D-GLUCOSIDE	Plant				--
0	CITRONETIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	NARIRUTIN-GLUCOSIDE	Leaf				Jim Duke's personal files.
0	LIMONIN-17-O-BETA-D-GLUCOPYRANOSIDE	Seed				Jim Duke's personal files.
0	LIMONIN-17-O-BETA-D-GLUCOSIDE	Seed				Jim Duke's personal files.
0	KILOCALORIES	Fruit		2640.0	-1.5500422105520721	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	5-(3'-METHYL-BUT-2'-ENYL-OXY)-7-METHOXY-COUMARIN	Fruit Essent. Oil				Jim Duke's personal files.
0	5-(3'-METHYL-BUT-2'-ENYL-OXY)-8-(2'',3''-EPOXY-3''-METHYL-BUTYL-OXY)-PSORALEN	Fruit Essent. Oil				Jim Duke's personal files.
0	P-MENTHA-2,8-DIEN-1-OL	Essential Oil				--
0	8-GERAN-OXYPsorALEN	Pericarp				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CARBOHYDRATES	Fruit	111000.0	863000.0	0.42843384218109976	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	OCTOPAMINE	Leaf				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
0	5-GERANOXY-7-METHOXYPORALEN	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	NOMILINIC-ACID-4-BETA-D-GLUCOSIDE	Pericarp		9.8		Jim Duke's personal files.
0	METHYL-HEPTANONE	Essential Oil				--
0	(Z)-BETA-OCIMENE	Petiole		3.5		--
0	TETRADECANAL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	COUMARINS	Pt				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	NONANAL	Essential Oil	9.0	30.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	3-HEXEN-1-OL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	1-HEXEN-3-OL	Petiole		2.0		--
0	FATTY-ACIDS(C12-C24)	Silk Stigma Style				Jim Duke's personal files.
0	JASMONIC-ACID-METHYL-ESTER	Pericarp				Jim Duke's personal files.
0	BETA-CARYOPHYLLENE	Petiole		13.0		--
0	PROTEIN	Fruit	10000.0	111000.0	0.020127724197141796	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	5-(2',3'-EPOXY-3'-METHYL-BUTYL-OXY)-7-METHOXY-COUMARIN	Fruit Essent. Oil				Jim Duke's personal files.
0	BETA-CARYOPHYLLENE	Leaf Essent. Oil	100.0	3500.0	-0.38515655776504104	Jim Duke's personal files.
0	P-MENTHA-1,8-DIEN-9-YL-ACETATE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	8-C-GLUCOSYL-DIOSMETIN	Pericarp				Jim Duke's personal files.
0	UMBELLIPRENIN	Shoot				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	APIGENIN-C-GLYCOSIDE	Plant				--
0	GERANYL-OXY-PYRANOCOUMARIN	Root				Jim Duke's personal files.
0	OCTANOL	Essential Oil	10.0	15.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	5-GERANOXY-7-METHOXYCOUMARIN	Essential Oil	603.0	630.0		--
0	2-CARBOXYARABINITOL	Leaf				Jim Duke's personal files.
0	DEACETYL-NOMILIN-17-O-BETA-D-GLUCOPYRANOSIDE	Seed				--
0	NOMILINIC-ACID-17-O-BETA-D-GLUCOSIDE	Seed				Jim Duke's personal files.
0	MENTH-1-EN-9-OL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	(E)-BETA-OCIMENE	Petiole		6.0		--
0	ICHANGIN-4-BETA-D-GLUCOSIDE	Pericarp		19.6		Jim Duke's personal files.
0	GAMMA-SITOSTEROL	Plant				--
0	NONAN-1-AL	Essential Oil	3.0	7.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	3-(4-HYDROXY-3-METHOXY-PHENYL)-1-GLUCOSYL-PROP-2-ENE	Pericarp				Jim Duke's personal files.
0	NARINGIN-6"-MALONATE	Leaf				Jim Duke's personal files.
0	ERIODICTYOSIDE	Pericarp				Jim Duke's personal files.
0	5-(2',3'-DIHYDROXY-3'-METHYL-BUTYL-OXY)-7-METHOXY-COUMARIN	Fruit Essent. Oil				Jim Duke's personal files.
0	P-CYMOL	Essential Oil				--
0	7-RHAMNO-GLUCOSYL-LUTEOLIN	Flower				--
0	NEOBYAKANGELICOL	Fruit Essent. Oil				Jim Duke's personal files.
0	ALPHA-THUJENE	Essential Oil	16.0	40.0	-0.40032749008251933	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	5,7-DIMETHOXYCOUMARIN	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	APIGENIN-7-(6-O-ALPHA-RHAMNOSYL-BETA-GLUCOSIDE)	Pericarp				Jim Duke's personal files.
0	DEACETYL-NOMILIN	Seed				Jim Duke's personal files.
0	NOMILIN-17-O-BETA-D-GLUCOSIDE	Seed				Jim Duke's personal files.
0	LUTEOLIN-7-O-BETA-RUTINOSIDE	Leaf				--
0	ICHANGIN-17-O-BETA-D-GLUCOSIDE	Seed				Jim Duke's personal files.
0	EO	Pt	2000.0	6000.0	1.0	--
0	NOMILIN-17-O-BETA-D-GLUCOPYRANOSIDE	Seed				Jim Duke's personal files.
0	3',4',5-TRIHYDROXY-FLAVONONE-7-O-BETA-D-RHAMNOSYL	Plant				--
0	NARINGIN-GLUCOSIDE	Leaf				Jim Duke's personal files.
0	LIMOCITROL-3-O-(5-ALPHA-GLUCOSYL-3	Plant				--
0	ISOERIOCITRIN	Leaf				Jim Duke's personal files.
0	PONCIRIN	Plant				--
0	CNIDICIN	Fruit Essent. Oil				Jim Duke's personal files.
0	7-RHAMNO-GLUCOSYL-DIOSMETIN	Flower				--
0	BYAKANGELICOL	Fruit Essent. Oil				Jim Duke's personal files.
0	ISORHOIFOLIN	Leaf				Jim Duke's personal files.
0	ALPHA-TERPINYL-PROPIONATE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	OCTAN-1-AL	Pericarp				Jim Duke's personal files.
0	4-(3-METHYL-2-BUTENOXY)-ACETOPHENONE	Pericarp				--
0	ALPHA,ALPHA-P-TRIMETHYLBENZYL-ALCOHOL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	D-GALACTURONIC-ACID	Fruit				--
0	VALENCENE	Tissue Culture				Jim Duke's personal files.
0	BETA-SINENSAL	Petiole		1.5		--
0	3',4',5'-TRIHYDROXY- FLAVONE-7-O-BETA-D- RHAMNOSYL	Plant				--
0	LIMOCITROL	Pericarp				Jim Duke's personal files.
0	ERIOCITRIN	Leaf				Jim Duke's personal files.
0	BYAKANGELICOL	Essential Oil				--
0	ALPHA-CUBEBENE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CITRUSIN-F	Pericarp				Jim Duke's personal files.
0	7-PENTAHYDROXY- 2',3',5,5'-PENTAHYDROXY- FLAVANONE-7-(6-O-ALPHA- L-RHAMNOSYL-BETA-D- GLUCOSIDE	Pericarp				--
0	DICONIFERYL-ALCOHOL-4- BETA-D-GLUCOSIDE	Pericarp				Jim Duke's personal files.
0	NARINGOSIDE	Fruit				--
0	TRIDECANAL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ISORHAMNETIN-3- ARABINOGLUCOSIDE	Plant				--
0	4',7-DIHYDROXY-3'- METHOXY-FLAVONONE-8- O-BETA-D-GLUCOSYL- RHAMNOSIDE	Pericarp				Jim Duke's personal files.
0	4',5,7-TRIHYDROXY- FLAVONE-8-O-BETA-D- RHAMNOSYL-GLUCOSIDE	Plant				--
0	NONANOL	Petiole		0.0		--
0	HERACLENOL	Fruit Essent. Oil				Jim Duke's personal files.
0	ALPHA-SINENSAL	Petiole		0.0		--
0	FAT	Seed	300000.0	400000.0	0.7090517076840918	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2',4',5-TRIHYDROXY-FLAVONONE-7-O-BETA-D-GLUCOSYL-RHAMNOSIDE	Pericarp				--
0	XYLOSYL-VITEXIN	Flower				--
0	LIMOCITRIN-3-O-(5-ALPHA-GLUCOSYL-3	Plant				--
0	2-DODECENAL	Petiole		0.0		--
0	ISOPULEGOLE	Leaf Essent. Oil	18000.0	114000.0	1.0	Jim Duke's personal files.
0	ALPHA-COPAENE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CITROPTEN	Fruit Essent. Oil				Jim Duke's personal files.
0	HEXADECANAL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	P-ALPHA-DIMETHYLSTYRENE	Plant				--
0	7-GLUCOSYL-APIGENIN	Flower				Jim Duke's personal files.
0	DELTA-CARENE	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TRANS-LIMONENE-1,2-OXIDE	Essential Oil				Jim Duke's personal files.
0	LIMOCITROL-3-O-(5-ALPHA-GLUCOSYL-3-HYDROXY-3-METHYL-GLUTARATE-(1,2)-BETA-GLUCOSIDE)	Pericarp				Jim Duke's personal files.
0	ALPHA-BERGAMOTENE	Petiole				--
0	PHLORIN	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	GERANIOL-ACETATE	Leaf Essent. Oil		8100.0	1.0	Jim Duke's personal files.
0	OBACUNONE-17-O-BETA-D-GLUCOPYRANOSIDE	Seed				Jim Duke's personal files.
0	4',5,7-TRIHYDROXY-FLAVONE-8-O-BETA-D-RHAMNOSYL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	3',4',5-TRIHYDROXY-FLAVONE-7-O-BETA-D-RHAMNOSYL-GLUCOSIDE	Plant				--
0	CITRUSIN-C	Pericarp				Jim Duke's personal files.
0	NERYL-ACETONE	Leaf Essent. Oil		28000.0		Jim Duke's personal files.
0	NONANAL	Petiole		1.5		--
0	2'-O-XYLOSYL-VITEXIN	Flower				--
0	CIS-LIMONENE-1,2-OXIDE	Essential Oil				Jim Duke's personal files.
0	LIMOCITRIN-3-O-(3	Plant				--
0	8-GERANYLOXYPORALEN	Fruit Essent. Oil				Jim Duke's personal files.
0	BRAYLIN	Root				Jim Duke's personal files.
0	ALPHA-BERGAMOTENE	Essential Oil		250.0	-1.0	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	FAT	Fruit		28000.0	-0.42739034203512904	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	BERGAMOTENE	Essential Oil	16.0	40.0		--
0	HESPERIDOSIDE	Fruit				--
0	6-C-GLUCOSYL-DIOSMETIN	Pericarp				Jim Duke's personal files.
0	DECYL-ALDEHYDE	Leaf				--
0	TRANS-BETA-OCIMENE	Leaf Essent. Oil		7500.0	0.027166291246208063	Jim Duke's personal files.
0	LIMOCITRIN-3-O-(5-ALPHA-GLUCOSYL-3-HYDROXY-3-METHYL-GLUTARATE-(1,2)-BETA-GLUCOSIDE)	Pericarp				Jim Duke's personal files.
0	EO	Pericarp		2600.0	-1.1594356213080714	--
0	4',5,7-TRIHYDROXY-FLAVONE-6-O-BETA-D-RHAMNOSYL	Plant				--
0	CITRUSIN-B	Pericarp				Jim Duke's personal files.
0	NEROL-ACETATE	Pericarp Essent. Oil				Jim Duke's personal files.
0	LINALOL	Essential Oil	8.0	30.0	-1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	METHYL-HEPTANONE	Leaf Essent. Oil				Jim Duke's personal files.
0	NEROL-ACETATE	Essential Oil	16.0	310.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CHLOROPHYLL-B	Leaf				--
0	LUTEOLIN-7-O-BETA-D-RUTINOSIDE	Leaf				Jim Duke's personal files.
0	LIMOCITRIN-3-(6-O-ALPHA-L-RHAMNOSYL-BETA-D-GLUCOSIDE)	Pericarp				--
0	DECANAL	Petiole		1.5		--
0	8-GERANYL-OXY-5-METHOXY-PSORALEN	Fruit Essent. Oil				Jim Duke's personal files.
0	ALPHA-AMINO-BUTYRIC-ACID	Plant				--
0	3-(3',4',5'-TRIMETHOXY-PHENYL)-PROPANYL-PROPIONATE	Fruit Essent. Oil				Jim Duke's personal files.
0	ALPHA-THUJENE	Petiole		20.0		--
0	AUREUSIDIN-6-RHAMNOGLUCOSIDE	Plant				--
0	6-8-DI-C-GLUCOSYL-DIOSMETIN	Pericarp				Jim Duke's personal files.
0	OBACUNONE-17-O-BETA-D-GLUCOSIDE	Seed				Jim Duke's personal files.
0	LIMOCITRIN-3-O-(3-HYDROXY-3-METHYL-GLUTARATE-(1,2)-BETA-GLUCOSIDE	Pericarp				Jim Duke's personal files.
0	O-PHENYLPHENOL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	4',5,7-TRIHYDROXY-FLAVONE-6,8-DI-C-GLUCOSIDE	Pericarp				--
0	CITRUSIN-A	Pericarp				Jim Duke's personal files.
0	LINALOL	Leaf Essent. Oil	17000.0	81000.0	-1.0	--
0	SUBEROSIN	Root				Jim Duke's personal files.
0	GERANIOL-ACETATE	Pericarp Essent. Oil				Jim Duke's personal files.
0	WATER	Fruit	850000.0	894000.0	0.5366602504029064	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CHLOROPHYLL-A	Leaf				--
0	LINONIN	Leaf				Jim Duke's personal files.
0	LIMOCITRIN	Pericarp				Jim Duke's personal files.
0	8-GERAN-OXYPORALEN	Essential Oil		387.0		Jim Duke's personal files.
0	ISOLIMOCITROL-3-BETA-D-GLUCOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	PENTADECANAL	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA,ALPHA-P-TRIMETHYLBENZYL-ALCOHOL	Plant				--
0	ERIODICTYOSIDE	Fruit				--
0	NEROL-ACETATE	Leaf Essent. Oil		9000.0	1.0	Jim Duke's personal files.
0	ALPHA-TERPINYL-ACETATE	Petiole		0.1		--
0	AUREUSIDIN-6-GLUCOSIDE	Plant				--
0	6,7-DIMETHOXYCOUMARIN	Bark		162.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	LIMOCITRIN-3-(6-O-ALPHA-L-RHAMNOSYL-BETA-D-GLUCOSE)	Pericarp				Jim Duke's personal files.
0	PENTADECANE	Plant				--
0	3-(3',4',5'-TRIMETHOXY-PHENYL)-PROPANYL-ACETATE	Fruit Essent. Oil				Jim Duke's personal files.
0	4',5,7-TRIHYDROXY-3',8-DIMETHOXY-FLAVONE-3-O-BETA-D-GLUCOSYL-RHAMNOSIDE	Pericarp				--
0	CITROPTEN	Fruit				--
0	LINALOL	Pericarp Essent. Oil	7000.0	110000.0		--
0	LINALOOL-ACETATE	Leaf Essent. Oil		22000.0	0.409907762680937	Jim Duke's personal files.
0	LIMETTIN	Essential Oil		295.0		--
0	ALPHA-COPAENE	Petiole		0.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	7-(3'-METHYL-BUT-2'-ENYL-OXY)-COUMARIN	Fruit Essent. Oil				Jim Duke's personal files.
0	8-(7',8'-EPOXY-GERANYL-OXY)-PSORALEN	Fruit Essent. Oil				Jim Duke's personal files.
0	ISOLIMOCITROL-3,7,4'-TRIMETHYL-ETHER	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ERIOCITRIN	Fruit		1.0		Jim Duke's personal files.