

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Citrus aurantium

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(+)-AURAPTENAL	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	4-TERPINENOL	Pericarp				--
0	4-TERPINENOL	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	4-TERPINEOL	Plant				--
0	5-HYDROXYAURANETIN	Plant				--
1	6,7-DIMETHOXYCOUMARIN	Fruit				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.
6	ACETALDEHYDE	Plant				--
16	ACETIC-ACID	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
16	ACETIC-ACID	Plant				--
2	ALPHA-HUMULENE	Plant				--
5	ALPHA-IONONE	Plant				--
11	ALPHA-PHELLANDRENE	Leaf	1.0	20.0	-0.3001378339446704	--
28	ALPHA-PINENE	Leaf		1.0	-0.22447959885047528	--
28	ALPHA-PINENE	Plant				--
13	ALPHA-TERPINENE	Leaf		1.0	-0.31184560399489664	--
23	ALPHA-TERPINEOL	Plant				--
23	ALPHA-TERPINEOL	Leaf	460.0	760.0	0.7438510443528464	--
0	ALPHA-TERPINYL-ACETATE	Leaf	20.0	229.0	-0.5009027543729487	--
0	ALPHA-YLANGENE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ANTHRANILIC-ACID-METHYL-ETHER	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ANTHRANILIC-ACID-METHYL-ETHER	Flower	4.0	26.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
112	ASCORBIC-ACID	Leaf		3000.0	-0.16555832480808047	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
112	ASCORBIC-ACID	Fruit	420.0	3947.0	-0.03907641517084457	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Fruit	5000.0	64000.0	0.18997447831637496	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	AURANETIN	Fruit				--
0	AURANTIAMARIN	Fruit				Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
0	AURANTIAMENE	Plant				--
2	AURAPTEN	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	AUROPTENOL	Essential Oil				Chemical Constituents of Oriental Herbs (3 diff. books)
20	BENZOIC-ACID	Plant				--
26	BERGAPTEN	Fruit				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.
53	BETA-CAROTENE	Fruit	1.0	27.0	-0.09861011559570874	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BETA-COPAENE	Plant				--
5	BETA-ELEMENE	Plant				--
0	BETA-OCIMENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	BETA-OCIMENE	Flower				--
0	BETA-OCIMENE	Plant				--
13	BETA-PINENE	Plant				--
13	BETA-PINENE	Leaf	70.0	170.0	-0.17838109246360231	--
0	BUTANOL	Plant				--
4	CADINENE	Plant				--
4	CADINENE	Leaf				Chemical Constituents of Oriental Herbs (3 diff. books)
28	CALCIUM	Fruit	18.0	4230.0	0.08623828803163008	--
9	CAMPHENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	CAMPHENE	Plant				--
0	CAPRINALDEHYDE	Plant				--
0	CARBOHYDRATES	Fruit	97000.0	909000.0	0.67441948184124	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
19	CARVONE	Plant				--
31	CARYOPHYLLENE	Plant				--
18	CINNAMIC-ACID	Plant				--
18	CINNAMIC-ACID	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	CIS-3-HEXENOL	Leaf		1.0		--
3	CIS-OCIMENE	Leaf	1.0	110.0	-0.6693017803090183	--
53	CITRAL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CITRANTIN	Fruit				--
23	CITRIC-ACID	Plant				--
23	CITRIC-ACID	Fruit				Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
20	CITRONELLAL	Plant				--
0	CITRONELLIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	CITRONELLOL	Plant				--
12	COPPER	Fruit	4.0	10.0	-0.21939758331858253	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
57	COUMARIN	Fruit				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.
2	CRYPTOXANTHIN	Plant				--
0	D-CITRONELLIC-ACID	Plant				--
19	D-LIMONENE	Plant				--
0	D-LINALOL	Leaf				--
0	D-LINALOOL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	D-NEROLIDOL	Plant				--
0	D-NEROLIDOL	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	DECANAL	Leaf		1.0	-0.7060822876535202	--
0	DECYL-ALDEHYDE	Plant				--
0	DECYL-ALDEHYDE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	DECYLPARGONATE	Plant				--
8	DELTA-3-CARENE	Plant				--
9	DELTA-CADINENE	Plant				--
0	DELTA-LIMONENE	Fruit				Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
7	DIPENTENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	DIPENTENE	Plant				--
0	DL-LINALOL	Leaf				--
0	DL-LINALOOL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	DL-TERPINEOL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	DODECANAL	Plant				--
0	DODECEN-2-AL-(1)	Plant				--
0	DUODECLYALDEHYDE	Plant				--
0	DUODECYLALDEHYDE	Pericarp				--
0	DUODECYLALDEHYDE	Hull Husk				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	EO	Leaf		3000.0	-0.7507396833089339	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	EO	Flower	1000.0	5000.0	-0.256861435811866	--
0	EO	Fruit	7000.0	25000.0	-0.33403661140306445	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
24	ETHANOL	Plant				--
17	FARNESOL	Plant				--
17	FARNESOL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FAT	Seed		448600.0	0.9650452918648007	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
0	FAT	Fruit	0.0	8000.0	-0.5801487332998083	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Plant	3000.0	160000.0	-0.46435066688212184	--
12	FORMALDEHYDE	Plant				--
13	FORMIC-ACID	Plant				--
13	FORMIC-ACID	Pericarp				--
13	FORMIC-ACID	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FURANOCOUMARINS	Pericarp				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	FURFUROL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FURFUROL	Plant				--
0	GAMMA-ELEMENE	Plant				--
11	GAMMA-TERPINENE	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
11	GAMMA-TERPINENE	Leaf	50.0	110.0	-0.15983052104707215	--
11	GAMMA-TERPINENE	Plant				--
11	GAMMA-TERPINENE	Pericarp				--
13	GERANIAL	Leaf		1.0	-0.4060621023305319	--
13	GERANIAL	Plant				--
0	GERANIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	GERANIOL	Leaf	200.0	350.0	-0.06791028766181946	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	GERANIOL	Plant				--
5	GERANYL-ACETATE	Leaf		261.0	0.3570910203674803	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	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GERANYL-OXIDE	Plant				--
0	GERANYL-OXIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GUM	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	HESPERIDIN	Leaf				--
31	HESPERIDIN	Fruit	700.0	2500.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
31	HESPERIDIN	Flower				--
3	HEXANOL	Plant				--
0	INDOL	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	INDOLE	Plant				--
6	IRON	Fruit	3.0	260.0	0.5038617420819682	--
0	ISOHESPERIDIN	Fruit				Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
0	ISOLIMONIC-ACID	Plant				J.S. Glasby Dict.Pl's Containing 2ndary Metabolite. 1991.
2	ISOSCUTELLAREIN	Plant				--
0	ISOSINENSETIN	Plant				--
0	ISOTETRAMETHYLETHER	Plant				--
8	JASMONE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	L-CAMPHENE	Flower				--
0	L-LINALOL	Plant				--
0	L-LINALOOL	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	L-LINALYL-ACETATE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	L-LINALYL-ACETATE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	L-STACHYDRINE	Leaf		1000.0	1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	LAURIC-ALDEHYDE	Plant				--
60	LIMONENE	Plant	1000.0	8000.0	4.430891974366298	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
60	LIMONENE	Leaf	70.0	110.0	-0.3320641434683265	--
5	LIMONIN	Plant				--
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.
0	LINALOL	Leaf	1990.0	2795.0	1.2129300722231442	--
53	LINALOOL	Leaf	1990.0	2795.0	1.288060378681955	--
7	LINALYL-ACETATE	Flower	80.0	520.0	-0.45159116756655254	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	LINALYL-ACETATE	Leaf	4429.0	5500.0	0.46478491571028424	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
65	MAGNESIUM	Fruit	800.0	1730.0	-0.18510138251654518	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	MALIC-ACID	Plant				--
14	MANGANESE	Fruit		8.0	-0.3507865335531638	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
3	MANNOSE	Plant				--
2	METHANOL	Plant				--
2	METHYL-ANTHRANILATE	Flower				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
22	MYRCENE	Plant				--
22	MYRCENE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	MYRCENE	Leaf	130.0	550.0	0.025793360942901168	--
56	NARINGENIN	Plant				--
12	NARINGIN	Fruit				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.
6	NEOHESPERIDIN	Fruit				--
0	NEOHESPERIDOSE	Pericarp				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
4	NERAL	Plant				--
4	NERAL	Leaf		1.0	-0.386496325306488	--
10	NEROL	Plant				--
10	NEROL	Leaf	100.0	150.0	0.2210563851407086	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
11	NEROLIDOL	Plant				--
5	NERYL-ACETATE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
5	NERYL-ACETATE	Leaf	55.0	755.0	0.9027789321499269	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
39	NIACIN	Fruit	3.0	24.0	-0.49059008618146793	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	NOBILETIN	Fruit				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.
8	NOBILETIN	Plant				--
2	NOMILIN	Plant				--
0	NONANOL	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	NONANOL	Plant				--
0	NONANOL	Pericarp				--
0	NONYL-ALDEHYDE	Plant				--
0	NONYL-ALDEHYDE	Pericarp				--
0	NONYL-ALDEHYDE	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	NOOTKATONE	Plant				--
0	OCTALDEHYDE	Pericarp				--
0	OCTALDEHYDE	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	OCTANOL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	OCTANOL	Pericarp				--
0	OCTANOL	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	OCTYL-ACETATE	Plant				--
16	P-CYMENE	Leaf	100.0	270.0	-0.17579834905797595	--
16	P-CYMENE	Plant				--
0	P-CYMOL	Plant				--
13	PALMITIC-ACID	Plant				--
24	PECTIN	Plant				--
24	PECTIN	Pericarp				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	PELARGONALDEHYDE	Pericarp				--
0	PELARGONALDEHYDE	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PELARGONIC-ACID	Plant				--
0	PELARGONIC-ACID	Pericarp				--
0	PELARGONIC-ACID	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PENTANOL	Plant				--
0	PENTANOL	Pericarp				--
0	PENTANOL	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	PHELLANDRENE	Pericarp				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHELLANDRENE	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	PHELLANDRENE	Plant				--
26	PHENOL	Plant				--
0	PHENYL-ETHYL-ALCOHOL	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	PHENYLACETIC-ACID	Plant				--
2	PHENYLACETIC-ACID	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PHENYLETHANOL	Flower				--
4	PHOSPHORUS	Fruit	120.0	1600.0	-0.4908418737652641	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
14	POTASSIUM	Fruit	1020.0	13800.0	-0.36420230977490436	--
0	PROTEIN	Fruit	6000.0	56000.0	-0.7171711920861981	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PYRROL	Leaf				--
0	PYRROLE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PYRROLE	Plant				--
2	RHOIFOLIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
15	RIBOFLAVIN	Fruit	1.0	3.0	-0.4303249009534089	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	RUTOSIDE	Pericarp				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
5	SABINENE	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	SABINENE	Leaf	1.0	40.0	-0.23572328048185884	--
5	SABINENE	Plant				--
5	SABINENE	Pericarp				--
3	SESELIN	Root				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
2	SINENSETIN	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	SINENSETIN	Plant				--
2	SINENSETIN	Pericarp				--
2	SINENSETIN	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
1	SODIUM	Fruit	54.0	116.0	-0.1729506367339856	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
6	STACHYDRINE	Leaf		1000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	TANGERETIN	Plant				--
15	TANGERETIN	Pericarp				--
15	TANGERETIN	Hull Husk				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
41	TANNIC-ACID	Plant				--
35	TANNIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	TERPENYL-ACETATE	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	TERPENYL-ACETATE	Plant				--
0	TERPENYL-ACETATE	Pericarp				--
23	TERPINEN-4-OL	Leaf	50.0	80.0	-0.29464326118547207	--
9	TERPINOLENE	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	TERPINOLENE	Pericarp				--
9	TERPINOLENE	Leaf	1.0	10.0	-0.2193558436556226	--
9	TERPINOLENE	Plant				--
0	TETRA-O-METHYL-SCUTELLAREIN	Plant				--
31	THIAMIN	Fruit	1.0	6.0	0.08541669233982067	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
71	THYMOL	Leaf		1.0	-0.41949505884088445	--
0	TRANS-HEXEN-2-AL-1	Plant				--
0	TRANS-OCIMENE	Leaf	1.0	332.0	0.2100490915838046	--
22	UMBELLIFERONE	Plant				--
2	UNDECANAL	Plant				--
0	VALENCENE	Plant				--
2	VIOLAXANTHIN	Plant				--
2	VIOLAXANTHIN	Pericarp				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	VIOLAXANTHIN	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	WATER	Fruit	857000.0	892000.0	0.5279640631955985	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	ZEAXANTHIN	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
77	ZINC	Fruit		16.0	-0.4302746084448067	--