

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Capsicum annum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	WATER	Fruit	742000.0	937000.0	0.7236282753600269	--
0	CARBOHYDRATES	Fruit	175956.0	682000.0	-0.539466174742496	--
44	CAPSAICIN	Resin, Exudate, Sap		634000.0		--
0	FIBER(DIETARY)	Fruit		482000.0	1.7052471143322203	--
15	FIBER	Fruit	12000.0	351000.0	1.975278288083942	--
1	DIHYDROCAPSAICIN	Resin, Exudate, Sap		318000.0		--
0	FIBER(CRUDE)	Fruit		258000.0	1.530775468007022	--
0	FAT	Seed	100000.0	150000.0	-0.6077877171137942	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FAT	Fruit	2000.0	144000.0	0.4586083273000108	--
0	PROTEIN	Fruit	35862.0	139000.0	0.3954798997595693	--
0	SUGARS	Fruit	18060.0	70000.0	-0.5952549612598248	--
0	ASH	Fruit	13416.0	52000.0	-0.12076969079664142	--
0	NORDIHYDROCAPSAICIN	Resin, Exudate, Sap		31000.0		--
27	LINOLEIC-ACID	Fruit	2190.0	29871.0	0.06603462603214637	--
0	NITROGEN	Fruit	1900.0	23330.0	0.6105662880376689	ACTA AGRIC SCAND SUPPL 22: 1980
112	ASCORBIC-ACID	Fruit	230.0	20982.0	1.0201086559741077	--
0	DEHYDROASCORBIC-ACID	Fruit		20000.0	1.725773620676355	--
3	ASPARTIC-ACID	Fruit	1200.0	16504.0	0.8336382798513058	--
8	GLUTAMIC-ACID	Fruit	1120.0	15277.0	0.15870222657295222	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Fruit	3483.0	13500.0	-0.3907443973119217	--
0	CAROTENOIDS	Fruit	115.0	9945.0	1.9104197137381895	--
13	PALMITIC-ACID	Fruit	500.0	6820.0	-0.2593626333971022	--
2	LEUCINE	Fruit	440.0	6002.0	0.19151009080138937	USDA's Ag Handbook 8 and sequelae)
14	ARGININE	Fruit	410.0	5592.0	0.34202092362066183	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	LYSINE	Fruit	380.0	5183.0	0.27674261896008856	USDA's Ag Handbook 8 and sequelae)
0	PROLINE	Fruit	370.0	5047.0	0.28544185332563193	--
0	EO	Fruit	1290.0	5000.0	-0.7227768403857732	--
3	VALINE	Fruit	360.0	4910.0	0.09429171805261376	--
3	ALANINE	Fruit	350.0	4774.0	0.41916448807939843	--
1	SERINE	Fruit	340.0	4638.0	0.351286486996007	--
4	THREONINE	Fruit	310.0	4228.0	0.5031132526815597	--
12	GLYCINE	Fruit	310.0	4228.0	0.24116126345948113	--
44	CAPSAICIN	Fruit	100.0	4000.0	-1.0	--
87	RUTIN	Fruit		3874.0	-0.21269509917042856	Varnaite, R. 1988. Rutin Content in Capsicum, Capsella, Urtica, Primula, Lepidium, Lactuca, Brassica, Anethum, Beta, Petroselinum, Allium Genera Representatives. Liet Tsr Mokslu Akad Darb Ser C, 4: 29-32.
3	ISOLEUCINE	Fruit	270.0	3683.0	0.013574129648896245	USDA's Ag Handbook 8 and sequelae)
18	OLEIC-ACID	Fruit	270.0	3582.0	-0.4531374874534312	--
7	PHENYLALANINE	Fruit	260.0	3546.0	0.07637278495697446	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Fruit	784.0	3040.0	-0.053456578480128816	--
15	ALPHA-LINOLENIC-ACID	Fruit	220.0	3001.0	0.20656945687815753	USDA's Ag Handbook 8 and sequelae)
0	HOMOCAPSAICIN	Resin, Exudate, Sap		3000.0		--
2	CAPSANTHIN	Fruit	1.0	2820.0		--
8	TYROSINE	Fruit	180.0	2455.0	0.01503141767564613	USDA's Ag Handbook 8 and sequelae)
14	SULFUR	Fruit	190.0	2440.0	0.7136799213892123	--
65	MAGNESIUM	Fruit	604.0	2340.0	0.0973640583480707	--
7	HISTIDINE	Fruit	170.0	2319.0	0.4251522813518472	--
2	CYSTINE	Fruit	160.0	2182.0	1.2003774411002974	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	STEARIC-ACID	Fruit	160.0	2180.0	-0.1346481609392678	USDA's Ag Handbook 8 and sequelae)
2	PHYTOSTEROLS	Fruit	90.0	1750.0	1.0365836878419545	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
28	CALCIUM	Fruit	431.0	1670.0	-0.5045082674838655	--
1	DIHYDROCAPSAICIN	Fruit	75.0	1628.0		--
5	ZEAXANTHIN	Fruit	1.4	1525.0	1.0	--
29	TRYPTOPHAN	Fruit	110.0	1500.0	0.911613449940336	USDA's Ag Handbook 8 and sequelae)
15	METHIONINE	Fruit	100.0	1364.0	0.49932054232266115	USDA's Ag Handbook 8 and sequelae)
47	BETA-SITOSTEROL	Fruit	60.0	1190.0	0.7692772928142692	--
9	OXALIC-ACID	Fruit	257.0	1171.0	-0.24177730392475322	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	CAPSICOSIDE-B-1	Root		620.0		--
0	CUCURBITAXANTHIN-A	Fruit	1.0	610.0		--
0	CAPSICOSIDE-C-1	Root		600.0		--
44	CAPSAICIN	Tissue Culture		590.0		--
1	SODIUM	Fruit	152.0	590.0	-0.12800174907287107	--
0	CAPSICOSIDE-A-1	Root		530.0		--
2	CAMPESTEROL	Fruit	20.0	530.0	3.841640034312409	--
2	BETA-CRYPTOXANTHIN	Fruit	1.0	510.0	1.0	--
26	SOLANINE	Leaf		500.0	-1.0	--
2	PALMITOLEIC-ACID	Fruit	30.0	409.0	-0.27067772308159505	USDA's Ag Handbook 8 and sequelae)
0	N-(13-METHYLTETRADECYL)ACETAMIDE	Fruit	300.0	400.0		--
0	CUCURBITACHROME	Fruit	0.0	400.0		--
0	AMMONIA(NH3)	Fruit		382.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	AMMONIA	Fruit		382.0	1.0	--
0	NH3	Fruit		382.0		--
20	CHOLINE	Seed		360.0	-1.2352144104006983	--
0	NORDIHYDROCAPSAICIN	Fruit	15.0	335.0		--
0	CAPSIANSIDE-A	Fruit		300.0		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
20	CHOLINE	Pericarp		297.0	-1.0	--
0	MUTATOXANTHIN-2	Fruit	0.5	295.0		--
32	ALPHA-TOCOPHEROL	Fruit	22.0	284.0	3.249804110897653	--
1	CAPSORUBIN	Fruit	0.0	260.0		--
1	CAPSIANOSIDE-A	Fruit	33.0	250.0		--
2	VIOLAXANTHIN	Fruit	2.0	205.0		--
0	13-CIS-CAPSANTHIN	Fruit	0.0	205.0		--
0	CAPSIAMIDE	Fruit	20.0	200.0		Chemical Constituents of Oriental Herbs (3 diff. books)
21	CHLOROPHYLL	Fruit	0.0	195.0	0.22124854097919466	--
0	CAPSANTHIN-5,6-EPOXIDE	Fruit	0.0	185.0		--
12	STIGMASTEROL	Fruit	10.0	180.0	1.3242602946608402	--
1	ANTHERAXANTHIN	Fruit	0.5	165.0		--
0	CAPSANTHIN-3,6-EPOXIDE	Fruit	0.0	165.0		--
0	KARPOXANTHIN	Fruit	0.5	150.0		--
0	9-CIS-CAPSANTHIN	Fruit	0.5	140.0		--
6	MYRISTIC-ACID	Fruit	10.0	136.0	-0.262727790139001	--
0	BROMINE	Fruit	0.1	111.0	3.331516857208814	ACTA AGRIC SCAND SUPPL 22: 1980
0	CUCURBITAXANTHIN-B	Fruit	0.0	110.0		--
0	LUTEOXANTHIN-2	Fruit	7.0	110.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
19	ACETYL-CHOLINE	Seed		105.0	0.5835650056778248	--
1	CAPSIANOSIDE-C	Fruit	35.0	103.0		--
7	SALICYLATES	Fruit	6.0	100.0	-0.04999562500039605	--
53	BETA-CAROTENE	Fruit	25.0	95.0	0.032832659233001486	--
0	HOMODIHYDROCAPSAICIN	Fruit	2.0	90.0		--
0	HOMOCAPSAICIN	Fruit	2.0	90.0		--
39	NIACIN	Fruit	21.0	80.0	0.25803272913297753	--
25	P-COUMARIC-ACID	Fruit		79.0	-0.3401508451648206	--
0	CRYPTOCAPSIN	Fruit	0.2	75.0		--
4	BORON	Fruit	1.0	74.0	0.6859947425378856	--
0	CYCLOVIOLAXANTHIN	Fruit	0.0	70.0		--
0	DECANOIC-ACID-VANILLYLAMIDE	Fruit	1.0	68.0		USDA's Ag Handbook 8 and sequelae)
0	CIS-CRYPTOXANTHIN	Fruit	0.0	65.0		--
0	CIS-BETA-CAROTENE	Fruit	1.0	60.0		--
15	LUTEIN	Fruit	0.0	50.0	3.485553704728424	--
0	CAPSANTHONE	Fruit	0.0	45.0		--
0	NONANOIC-ACID-VANILLYLAMIDE	Fruit	2.0	45.0		--
0	13-CIS-ZEAXANTHIN	Fruit	2.0	43.0		--
0	MUTATOXANTHIN-1	Fruit	0.0	40.0		--
0	LUTEOXANTHIN-1	Fruit	2.0	40.0		--
1	CAPSIANOSIDE-D	Fruit	21.0	38.0		--
0	9-CIS-ZEAXANTHIN	Fruit	2.0	32.0		--
3	CAPSIDIOL	Fruit		29.0		--
0	LATOXANTHIN	Fruit	1.0	25.0		--
2	ALPHA-CRYPTOXANTHIN	Fruit	1.0	25.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
93	TOCOPHEROL	Fruit		24.0	-0.48930868112103443	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	VIT-B-6	Fruit	2.0	22.0	2.3189606682135615	USDA's Ag Handbook 8 and sequelae)
7	ALPHA-CAROTENE	Fruit	0.2	20.0	2.436266539567189	--
12	COPPER	Fruit	0.5	20.0	0.5588968590110831	--
15	RIBOFLAVIN	Fruit	0.0	19.0	2.9963413996709614	--
0	CAPSIANOSIDE-B	Fruit	2.0	18.0		--
1	CAPSIANOSIDE-I	Fruit		18.0		--
2	NEOXANTHIN	Fruit	0.0	18.0	1.0	--
0	TITANIUM	Fruit	0.355	16.0	-0.39196677622477016	--
2	COBALT	Fruit	4.0	15.1	1.2928795988960315	--
31	THIAMIN	Fruit	1.0	15.0	1.237464316955986	USDA's Ag Handbook 8 and sequelae)
2	MOLYBDENUM	Fruit	0.0	15.0	2.521090498809608	--
19	ACETYL-CHOLINE	Pericarp		15.0	-1.0	--
6	IRON	Fruit	4.0	14.0	-0.47195395604815815	--
0	N-METHYL-ANILINE	Fruit		13.1		--
0	STRONTIUM	Fruit	2.0	12.0	-0.9119954010869392	--
0	N-TRANS-FERULOYL-TYRAMINE	Root		12.0		--
102	CAFFEIC-ACID	Fruit		11.0	-0.3368770543074836	--
78	LUTEOLIN	Fruit		11.0		--
0	RUBIDIUM	Fruit	0.38	10.0	-0.6798204139542442	ACTA AGRIC SCAND SUPPL 22: 1980
0	15-CIS-ZEAXANTHIN	Fruit	0.0	9.0		--
0	CAPSIANOSIDE-IV	Fruit		9.0		--
0	BARIUM	Fruit	2.0	8.0	-0.8930759463364307	--
77	ZINC	Fruit	2.0	7.7	-0.6799873909506287	--
0	P-AMINO-BENZALDEHYDE	Root		6.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	NICKEL	Fruit	0.05	5.5	0.893202335058218	--
10	PIPERIDINE	Fruit		5.2	-1.4134560119817663	--
11	PANTOTHENIC-ACID	Fruit	0.0	5.0	-0.8358850147292255	USDA's Ag Handbook 8 and sequelae)
4	TIN	Fruit	1.3	5.0	-0.3575360694452028	--
0	THIAMINE	Fruit	1.0	4.2	0.35249803327962026	--
0	GROSSAMIDE	Root		3.0		--
15	FOLACIN	Fruit	0.0	3.0	0.3894543457310426	USDA's Ag Handbook 8 and sequelae)
0	N-PENTYL-AMINE	Fruit		3.0	0.9999999999999997	--
0	N-PROPYL-AMINE	Fruit		2.3		--
0	N-CIS-FERULOYL-TYRAMINE	Root		2.0		--
0	N-TRANS-P-COUMAROYL-TYRAMINE	Root		2.0		--
0	ZIRCONIUM	Fruit	1.4	2.0	-0.33411717815403996	--
0	LEAD	Fruit	0.004	2.0	-0.3720390542711243	--
0	N-TRANS-FERULOYL-OCTOPAMINE	Root	1.0	2.0		--
0	CAPSIANOSIDE-V	Fruit		2.0		--
1	PYRROLIDINE	Fruit		1.4		--
14	MANGANESE	Fruit	0.4	1.4	-0.39430607258501055	--
0	N-TRANS-P-COUMAROYL-OCTOPAMINE	Root		1.0		--
0	FLUORINE	Fruit	0.05	1.0	-0.3491724883530834	ACTA AGRIC SCAND SUPPL 22: 1980
34	MYRICETIN	Fruit		1.0	-0.6882411791853533	--
0	CIS-9,10-DIHYDRO-CAPSENONE	Tissue Culture		1.0		--
15	TRIGONELLINE	Seed		0.6	-0.46893261236098505	--
0	AUROXANTHIN-2	Fruit	0.0	0.5		--
0	AUROXANTHIN-1	Fruit	0.0	0.5		--
11	LITHIUM	Fruit	0.284	0.4	-0.5556718414322324	--
3	CADMIUM	Fruit	0.005	0.33	0.32622088213907097	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DIN-N-PROPYL-AMINE	Fruit		0.3		--
0	DI-N-PROPYL-AMINE	Fruit		0.3		--
3	SILVER	Fruit	0.071	0.1	-0.45980626251045253	--
5	PHYLLOQUINONE	Fruit	0.02	0.06	-0.22359887323159108	--
2	ARSENIC	Fruit	0.004	0.015	-0.5177009203400424	--
60	SELENIUM	Fruit	0.001	0.002	-0.38569128420884563	--
1	MERCURY	Fruit	0.001	0.001	-0.7865389313824043	--
24	CHROMIUM	Fruit		0.0	-0.5076332138804538	--
0	ALPHA-COPAENE	Fruit				--
2	CRYPTOXANTHIN	Fruit				--
0	N-HEXANAL	Fruit				--
0	3-(SEC-BUTYL)-2-METHOXYPIRAZINE	Fruit				--
0	CAPSINOSIDE-E	Fruit				--
0	HYDROXY-BENZOIC-ACID-4-BETA-D-GLUCOSIDE	Fruit				--
8	P-CRESOL	Fruit				--
1	RUBIXANTHIN	Fruit				--
5	OCTANOIC-ACID	Fruit				--
0	HENEICOSANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
31	CARYOPHYLLENE	Fruit				--
0	CAPSICOSIDE A-2	Root				--
0	4-METHYLPENTADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
18	CINNAMIC-ACID	Tissue Culture				--
4	SILICON	Fruit				--
1	MALONIC-ACID	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	2-METHYL-BUTANAL	Fruit				--



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	31-NOR-LANOST-9(11)-EN-3-BETA-OL	Seed				--
0	PORPHOBILINOGEN-OXYGENASE	Leaf				--
0	LINALOL	Fruit				--
0	2,3,5-TRIMETHYLPYRAZINE	Fruit				--
0	SULFOQUINOVOSYL-DIACYL-GLYCEROL	Leaf				--
6	ETHYL-ACETATE	Fruit				--
9	BETA-AMYRIN	Seed				--
0	NEO-BETA-CAROTENE	Plant				--
0	FUNKIOSIDE	Root				--
0	5-HYDROXY-CAPSANTHIN-3,6-EPOXIDE	Fruit				--
0	3,6-EPOXIDE-5-HYDROXY-5,6-DIHYDRO-ZEAXANTHIN	Fruit				--
0	HYDROXY-ALPHA-CAROTENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	DIHYDROCAPSAICIN	Tissue Culture				--
6	O-CRESOL	Fruit				--
0	1-METHYLPYRROLE-KETONE	Fruit				--
0	OCTANE	Fruit				--
9	CAMPHENE	Fruit				--
0	CAPSICOSIDE	Seed				--
0	4-METHYL-PENTANOIC-ACID	Fruit				--
0	2-METHYL-BUTAN-2-OL	Fruit				--
8	DELTA-3-CARENE	Fruit				--
0	31-NOR-LANOST-8-EN-3-BETA-OL	Seed				--
0	1-O-FERRULOYL-BETA-D-GLUCOSE	Fruit				--
0	PHOSPHATIDYL-GLYCEROL	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	5-METHYL-FURFURAL	Fruit				--
1	BEHENIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	FOLIAXANTHIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	VANILLYL-OCTANAMIDE	Fruit				--
0	4-ALPHA-METHYL-24-ETHYL-CHOLESTA-7,24-DIEN-3-BETA-OL	Seed				--
8	STEARIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	24-METHYLENE-CYCLOARTANOL	Seed				--
13	PALMITIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HOMODIHYDROCAPSAICIN	Resin, Exudate, Sap				--
0	OBTUSIFOLIOL	Seed				--
0	GRAMISTEROL	Seed				--
0	CAPSICOSIDE	Plant				--
0	4-METHYL-HEXADECANE	Fruit				--
0	2-METHYL-BUTAN-1-OL	Fruit				--
0	1,1-DIETHOXY-2-METHYLPROPANE	Fruit				--
5	ALUMINUM	Fruit				--
0	3-METHYL-PENTAN-3-OL	Fruit				--
0	PHYTOFLUENE	Fruit				--
0	1-O-CAFFEYOYL-BETA-D-GLUCOSE	Fruit				--
3	CYNAROSIDE	Leaf				--
0	4-METHYL-GUAIACOL	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	VANILLYL-DECANAMIDE	Fruit				--
0	3'-O-MYRISTOYLCAPSANTHIN	Fruit				--
0	ACETYLFURAN	Fruit				--
0	24-METHYL-LOPHENOL	Seed				--
0	GAMMA-BUTYROLACTONE	Fruit				--
0	CAPSICOSIDE	Leaf				--
0	4-METHYL-HEPTADECANE	Fruit				--
44	SCOPOLETIN	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	LUTEOLIN-7-O-BETA-DIGLUCOSIDE	Leaf				--
0	2-METHYL-5-ETHYLPYRAZINE	Fruit				--
0	VANILLIC-ACID-4-BETA-D-GLUCOSIDE	Fruit				--
3	PYRIDINE	Fruit				--
0	3-METHYL-BUTYRIC-ACID	Fruit				--
53	LINALOOL	Fruit				--
0	PHYTOENE	Fruit				--
1	LANOSTEROL	Seed				--
0	1-HEXANOL	Fruit				--
0	5-ALPHA-CHOLEST-8(14)-EN-3-BETA-OL	Seed				--
0	4-ETHYL-GUAIACOL	Fruit				--
0	AUROCHROME	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	VANILLYL-CAPROYLAMIDE	Fruit				--
0	CITRULLIN	Fruit				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
18	SOLASODINE	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
22	MYRCENE	Fruit				--
0	24-METHYL-LANOST-9(11)-EN-3-BETA-OL	Seed				--
0	P-XYLENE	Fruit				--
0	DIMETHOXY-BENZYL METHYLOCTAMIDE	Resin, Exudate, Sap				--
0	ZETA-CAROTENE	Fruit				--
0	BUTANE-2,3-DIOL	Fruit				--
0	4-METHYL-3-PENTEN-2-ONE	Fruit				--
77	CHLOROGENIC-ACID	Fruit				--
5	SABINENE	Fruit				--
0	LUTEOLIN-7-O-BETA-D-GLUCOSIDE	Leaf				--
0	2-METHOXY-3-ISOBUTYL-PYRAZINE	Fruit				--
6	RISHITIN	Tissue Culture				--
6	PROPIONIC-ACID	Fruit				--
14	BETAINE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	NORCAPSAICINE	Fruit				--
0	GLUTAMINASE	Fruit				--
0	ALPHA-THUJENE	Fruit				--
22	TETRAMETHYL-PYRAZINE	Fruit				--
0	3-METHYL-BUTANAL	Fruit				--
0	FUNKIOSIDE C	Root				--
0	LANOSTENOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
77	CHLOROGENIC-ACID	Leaf				--
0	3-METHYL-CYCLOPENT-2-EN-1-ONE	Fruit				--
0	VANILLOYL-GLUCOSE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CITROXANTHIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	24-(R)-ETHYL-LOPHENOL	Seed				--
16	P-CYMENE	Fruit				--
2	HEXANOIC-ACID	Fruit				--
3	CAPSIDIOL	Tissue Culture				--
0	BUTANE-1,3-DIOL	Fruit				--
0	4-METHYL-1-PENTYL-2-METHYL-BUTYRATE	Fruit				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	CARNAUBIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	LUTEOLIN-7-O-BETA-APIOGLUCOSIDE	Leaf				--
0	2-HEXANONE	Fruit				--
0	N-VANILLYL-N-NONAMIDE	Resin, Exudate, Sap				--
26	PHENOL	Fruit				--
47	BETA-SITOSTEROL	Plant				--
23	ALPHA-TERPINEOL	Fruit				--
0	CYCLOPENTANOL	Fruit				--
0	TETRADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	3-METHYL-1-PENTYL-3-METHYL-BUTYRATE	Fruit				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	PHOSPHODIESTERASE	Tissue Culture				--
0	LANOST-8-EN-3-BETA-OL	Seed				--
1	EPSILON-CAROTENE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2-METHYL-PROPANAL	Fruit				--
2	ASPARAGINE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	CITROSTADIENOL	Seed				--
26	SOLANINE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-PENTYLPYRIDINE	Fruit				--
5	HEXANAL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CAPSICOSIDE E	Root				--
0	5-METHYL-2-FURFURAL	Fruit				--
0	BUTANAL-3-METHYL	Fruit				--
0	4-ALPHA-METHYL-5-ALPHA-CHOLEST-8(14)-EN-3-BETA-OL	Seed				--
0	2-HEXANOL	Fruit				--
0	NONIVAMIDE	Resin, Exudate, Sap				--
13	BETA-PINENE	Fruit				--
0	NONADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
7	GLUCOSE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	XYLOSE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	ALPHA-PINENE	Fruit				--
0	CYCLOHEXANONE	Fruit				--
9	TERPINOLENE	Fruit				--
0	3-ISOPROPYL-2-METHOXYPIRAZINE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CAPSIANOSIDE-III	Fruit				--
0	PHOSPHATIDYL-GLYCEROL	Fruit				--
0	L-ASPARIGINASE	Fruit				--
0	CAPSICOSIN	Plant				--
0	2-HYDROXY-3-METHYL-CYCLOPENT-2-EN-1-ONE	Fruit				--
23	CITRIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	SOLANIDINE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-PENTYL-FURAN	Fruit				--
0	HEXAN-1-AL	Fruit				--
0	CAPSICOSIDE C-3	Root				--
0	5-HYDROXY-CAPSANTHIN-5,6-EPOXIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	4-ALPHA-24-DIMETHYL-CHOLESTA-7,24-DIEN-3-BETA-OL	Seed				--
21	LUPEOL	Seed				--
0	2-BUTANONE	Fruit				--
1	NAPHTHALENE	Fruit				--
1	GLUCOSAMINE	Fruit				--
0	XANTHOPHYLL-EPOXIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	BUTANAL-2-METHYL	Fruit				--
11	ALPHA-PHELLANDRENE	Fruit				--
3	CYCLOEUCALENOL	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	TERPINEN-4-OL	Fruit				--
0	N-NITROSO-PYRROLIDINE	Fruit				--
0	3-ISOBUTYL-2-METHOXPYRAZINE	Fruit				--
0	CAPSIANOSIDE-II	Fruit				--
0	CAPSIAMIDE	Plant				--
0	1-HYDROXY-PROPAN-2-ONE	Fruit				--
76	EUGENOL	Fruit				--
0	TRYPTOPHAN-PYRROLO-OXYGENASE	Leaf				--
0	MARGARIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	2-METHYL-PROPIONIC-ACID	Fruit				--
0	HEXADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
4	L-ASPARAGINASE	Fruit				--
0	CAPSICOSIDE C-2	Root				--
0	5,6-DIHYDROXY-5,6-DIHYDRO-ZEAXANTHIN	Fruit				--
0	4-ALPHA-14-ALPHA-24-TRIMETHYL-CHOLESTA-8(24)-DIEN-3-BETA-OL	Seed				--
0	CAPSOLUTEIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	LOPHENOL	Seed				--
0	2,3-DIMETHYL-PYRAZINE	Fruit				--
11	MALTOL	Fruit				--
0	BETA-CAROTENE-EPOXIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
11	GAMMA-TERPINENE	Fruit				--



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	XANTHOPHYLL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
24	BENZALDEHYDE	Fruit				--
7	CYCLOARTENOL	Seed				--
0	N-NITROSO-DIMETHYLAMINE	Fruit				--
0	3-HYDROXY-ALPHA-CAROTENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	PENTADECANOIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ISOHEXYL-ISOCAPROATE	Fruit				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	5-HYDROXYCAPSANTHIN	Fruit				Jim Duke's personal files.
0	LUTEOLIN-7-O-BETA-D-DIGLUCOSIDE	Leaf				--
0	ETHYL-3-METHYLBUTYRATE	Fruit				--
0	2-METHYL-PENTAN-2-OL	Fruit				--
18	OLEIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
31	HESPERIDIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	PULEGONE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CAPSICOSIDE B-2	Root				--
0	4-METHYLTRIDECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CIS-9'-CAPSANTHIN	Fruit				--
0	SKATOLE-PYRROLO-OXYGENASE	Leaf				--
0	ARACHIDIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	TOLUENE	Fruit				--
0	31-NORCYCLOARTANOL	Seed				--
0	CAPSOCHROME	Fruit				--
0	2,3-DIMETHYL-5-ETHYLPYRAZINE	Fruit				--
0	LINOLENIC-ACID	Fruit				--
3	LIGUSTRAZINE	Fruit				--
1	GALACTOSE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ACETOIN	Fruit				--
2	ALPHA-CRYPTOXANTHIN	Plant				--
0	CYCLOARTANOL	Seed				--
0	SULFOQUINOVOSYL-DIACYL-GLYCEROL	Fruit				--
0	3-HEXANOL	Fruit				--
0	CAPSIANOSIDE-F	Fruit				--
0	PENTADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	1,1-DIETHOXY-3-METHYLBUTANE	Fruit				--
0	ERIODICTIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HEPTADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
60	LIMONENE	Fruit				--
0	CAPSICOSIDE A-3	Root				--
0	4-METHYLTETRADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CIS-13'-CAPSANTHIN	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	MALONIC-ACID	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	2-METHYL-BUTYRIC-ACID	Fruit				--
4	APIIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	31-NOR-LANOSTEROL	Seed				--
0	2,3-BUTANEDIOL	Fruit				--
0	24-DIHYDROLANOSTEROL	Seed				--
18	GUAIACOL	Fruit				--
0	BETA-APO-8'-CAROTENAL	Fruit				--
0	GALACTOSAMINE	Fruit				--
16	ACETIC-ACID	Fruit				--