

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Capsicum annum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CAMPESTEROL	Fruit	20.0	530.0	3.841640034312409	--
15	LUTEIN	Fruit	0.0	50.0	3.4855553704728424	--
0	BROMINE	Fruit	0.1	111.0	3.331516857208814	ACTA AGRIC SCAND SUPPL 22: 1980
32	ALPHA-TOCOPHEROL	Fruit	22.0	284.0	3.249804110897653	--
15	RIBOFLAVIN	Fruit	0.0	19.0	2.9963413996709614	--
2	MOLYBDENUM	Fruit	0.0	15.0	2.521090498809608	--
7	ALPHA-CAROTENE	Fruit	0.2	20.0	2.436266539567189	--
0	VIT-B-6	Fruit	2.0	22.0	2.3189606682135615	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Fruit	12000.0	351000.0	1.975278288083942	--
0	CAROTENOIDS	Fruit	115.0	9945.0	1.9104197137381895	--
0	DEHYDROASCORBIC-ACID	Fruit		20000.0	1.725773620676355	--
0	FIBER(DIETARY)	Fruit		482000.0	1.7052471143322203	--
0	FIBER(CRUDE)	Fruit		258000.0	1.530775468007022	--
12	STIGMASTEROL	Fruit	10.0	180.0	1.3242602946608402	--
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	CYSTINE	Fruit	160.0	2182.0	1.2003774411002974	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.)
112	ASCORBIC-ACID	Fruit	230.0	20982.0	1.0201086559741077	--
5	ZEAXANTHIN	Fruit	1.4	1525.0	1.0	--
2	BETA-CRYPTOXANTHIN	Fruit	1.0	510.0	1.0	--
2	NEOXANTHIN	Fruit	0.0	18.0	1.0	--
0	AMMONIA	Fruit		382.0	1.0	--
0	N-PENTYL-AMINE	Fruit		3.0	0.9999999999999997	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
29	TRYPTOPHAN	Fruit	110.0	1500.0	0.911613449940336	USDA's Ag Handbook 8 and sequelae)
3	NICKEL	Fruit	0.05	5.5	0.893202335058218	--
3	ASPARTIC-ACID	Fruit	1200.0	16504.0	0.8336382798513058	--
47	BETA-SITOSTEROL	Fruit	60.0	1190.0	0.7692772928142692	--
0	WATER	Fruit	742000.0	937000.0	0.7236282753600269	--
14	SULFUR	Fruit	190.0	2440.0	0.7136799213892123	--
4	BORON	Fruit	1.0	74.0	0.6859947425378856	--
0	NITROGEN	Fruit	1900.0	23330.0	0.6105662880376689	ACTA AGRIC SCAND SUPPL 22: 1980
19	ACETYL-CHOLINE	Seed		105.0	0.5835650056778248	--
12	COPPER	Fruit	0.5	20.0	0.5588968590110831	--
4	THREONINE	Fruit	310.0	4228.0	0.5031132526815597	--
15	METHIONINE	Fruit	100.0	1364.0	0.49932054232266115	USDA's Ag Handbook 8 and sequelae)
0	FAT	Fruit	2000.0	144000.0	0.4586083273000108	--
7	HISTIDINE	Fruit	170.0	2319.0	0.4251522813518472	--
3	ALANINE	Fruit	350.0	4774.0	0.41916448807939843	--
0	PROTEIN	Fruit	35862.0	139000.0	0.3954798997595693	--
15	FOLACIN	Fruit	0.0	3.0	0.3894543457310426	USDA's Ag Handbook 8 and sequelae)
0	THIAMINE	Fruit	1.0	4.2	0.35249803327962026	--
1	SERINE	Fruit	340.0	4638.0	0.351286486996007	--
14	ARGININE	Fruit	410.0	5592.0	0.34202092362066183	USDA's Ag Handbook 8 and sequelae)
3	CADMIUM	Fruit	0.005	0.33	0.32622088213907097	--
0	PROLINE	Fruit	370.0	5047.0	0.28544185332563193	--
4	LYSINE	Fruit	380.0	5183.0	0.27674261896008856	USDA's Ag Handbook 8 and sequelae)
39	NIACIN	Fruit	21.0	80.0	0.25803272913297753	--
12	GLYCINE	Fruit	310.0	4228.0	0.24116126345948113	--
21	CHLOROPHYLL	Fruit	0.0	195.0	0.22124854097919466	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	ALPHA-LINOLENIC-ACID	Fruit	220.0	3001.0	0.20656945687815753	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Fruit	440.0	6002.0	0.19151009080138937	USDA's Ag Handbook 8 and sequelae)
8	GLUTAMIC-ACID	Fruit	1120.0	15277.0	0.15870222657295222	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Fruit	604.0	2340.0	0.0973640583480707	--
3	VALINE	Fruit	360.0	4910.0	0.09429171805261376	--
7	PHENYLALANINE	Fruit	260.0	3546.0	0.07637278495697446	USDA's Ag Handbook 8 and sequelae)
27	LINOLEIC-ACID	Fruit	2190.0	29871.0	0.06603462603214637	--
53	BETA-CAROTENE	Fruit	25.0	95.0	0.032832659233001486	--
8	TYROSINE	Fruit	180.0	2455.0	0.01503141767564613	USDA's Ag Handbook 8 and sequelae)
3	ISOLEUCINE	Fruit	270.0	3683.0	0.013574129648896245	USDA's Ag Handbook 8 and sequelae)
7	SALICYLATES	Fruit	6.0	100.0	-0.04999562500039605	--
4	PHOSPHORUS	Fruit	784.0	3040.0	-0.053456578480128816	--
0	ASH	Fruit	13416.0	52000.0	-0.12076969079664142	--
1	SODIUM	Fruit	152.0	590.0	-0.12800174907287107	--
8	STEARIC-ACID	Fruit	160.0	2180.0	-0.1346481609392678	USDA's Ag Handbook 8 and sequelae)
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.
5	PHYLLOQUINONE	Fruit	0.02	0.06	-0.22359887323159108	--
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.
13	PALMITIC-ACID	Fruit	500.0	6820.0	-0.2593626333971022	--
6	MYRISTIC-ACID	Fruit	10.0	136.0	-0.262727790139001	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	PALMITOLEIC-ACID	Fruit	30.0	409.0	-0.27067772308159505	USDA's Ag Handbook 8 and sequelae)
0	ZIRCONIUM	Fruit	1.4	2.0	-0.33411717815403996	--
102	CAFFEIC-ACID	Fruit		11.0	-0.3368770543074836	--
25	P-COUMARIC-ACID	Fruit		79.0	-0.3401508451648206	--
0	FLUORINE	Fruit	0.05	1.0	-0.3491724883530834	ACTA AGRIC SCAND SUPPL 22: 1980
4	TIN	Fruit	1.3	5.0	-0.3575360694452028	--
0	LEAD	Fruit	0.004	2.0	-0.3720390542711243	--
60	SELENIUM	Fruit	0.001	0.002	-0.38569128420884563	--
14	POTASSIUM	Fruit	3483.0	13500.0	-0.3907443973119217	--
0	TITANIUM	Fruit	0.355	16.0	-0.39196677622477016	--
14	MANGANESE	Fruit	0.4	1.4	-0.39430607258501055	--
18	OLEIC-ACID	Fruit	270.0	3582.0	-0.4531374874534312	--
3	SILVER	Fruit	0.071	0.1	-0.45980626251045253	--
15	TRIGONELLINE	Seed		0.6	-0.46893261236098505	--
6	IRON	Fruit	4.0	14.0	-0.47195395604815815	--
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.
28	CALCIUM	Fruit	431.0	1670.0	-0.5045082674838655	--
24	CHROMIUM	Fruit		0.0	-0.5076332138804538	--
2	ARSENIC	Fruit	0.004	0.015	-0.5177009203400424	--
0	CARBOHYDRATES	Fruit	175956.0	682000.0	-0.539466174742496	--
11	LITHIUM	Fruit	0.284	0.4	-0.5556718414322324	--
0	SUGARS	Fruit	18060.0	70000.0	-0.5952549612598248	--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	RUBIDIUM	Fruit	0.38	10.0	-0.6798204139542442	ACTA AGRIC SCAND SUPPL 22: 1980
77	ZINC	Fruit	2.0	7.7	-0.6799873909506287	--
34	MYRICETIN	Fruit		1.0	-0.6882411791853533	--
0	EO	Fruit	1290.0	5000.0	-0.7227768403857732	--
1	MERCURY	Fruit	0.001	0.001	-0.7865389313824043	--
11	PANTOTHENIC-ACID	Fruit	0.0	5.0	-0.8358850147292255	USDA's Ag Handbook 8 and sequelae)
0	BARIUM	Fruit	2.0	8.0	-0.8930759463364307	--
0	STRONTIUM	Fruit	2.0	12.0	-0.9119954010869392	--
20	CHOLINE	Pericarp		297.0	-1.0	--
26	SOLANINE	Leaf		500.0	-1.0	--
19	ACETYL-CHOLINE	Pericarp		15.0	-1.0	--
44	CAPSAICIN	Fruit	100.0	4000.0	-1.0	--
20	CHOLINE	Seed		360.0	-1.2352144104006983	--
10	PIPERIDINE	Fruit		5.2	-1.4134560119817663	--
0	CAPSICOSIDE	Leaf				--
8	STEARIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ALPHA-COPAENE	Fruit				--
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	3-(SEC-BUTYL)-2-METHOXYPIRAZINE	Fruit				--
0	13-CIS-ZEAXANTHIN	Fruit	2.0	43.0		--
1	CAPSIANOSIDE-C	Fruit	35.0	103.0		--
3	CYNAROSIDE	Leaf				--
0	VANILLYL-DECANAMIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	PYRIDINE	Fruit				--
0	OBTUSIFOLIOL	Seed				--
0	2-METHYL-BUTANAL	Fruit				--
0	CAPSANTHONE	Fruit	0.0	45.0		--
44	CAPSAICIN	Resin, Exudate, Sap		634000.0		--
0	HOMOCAPSAICIN	Fruit	2.0	90.0		--
0	4-ETHYL-GUAIACOL	Fruit				--
0	4-METHYLPENTADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	LUTEOLIN-7-O-BETA-DIGLUCOSIDE	Leaf				--
0	DIMETHOXY-BENZYL METHYLOCTAMIDE	Resin, Exudate, Sap				--
1	ANTHERAXANTHIN	Fruit	0.5	165.0		--
0	PHYTOFLUENE	Fruit				--
0	31-NOR-LANOST-9(11)-EN-3-BETA-OL	Seed				--
0	N-TRANS-P-COUMAROYL-OCTOPAMINE	Root		1.0		--
0	2,3,5-TRIMETHYLPYRAZINE	Fruit				--
0	CAPSICOSIDE-A-1	Root		530.0		--
0	VANILLIC-ACID-4-BETA-D-GLUCOSIDE	Fruit				--
0	BUTANE-2,3-DIOL	Fruit				--
0	3,6-EPOXIDE-5-HYDROXY-5,6-DIHYDRO-ZEAXANTHIN	Fruit				--
53	LINALOOL	Fruit				--
0	CAPSIANOSIDE-B	Fruit	2.0	18.0		--
0	5-ALPHA-CHOLEST-8(14)-EN-3-BETA-OL	Seed				--
0	VANILLYL-CAPROYLAMIDE	Fruit				--
1	LANOSTEROL	Seed				--
6	PROPIONIC-ACID	Fruit				--
0	NORDIHYDROCAPSAICIN	Fruit	15.0	335.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2-METHYL-BUTAN-2-OL	Fruit				--
0	CAPSANTHIN-3,6-EPOXIDE	Fruit	0.0	165.0		--
44	CAPSAICIN	Tissue Culture		590.0		--
22	MYRCENE	Fruit				--
0	3-METHYL-CYCLOPENT-2-EN-1-ONE	Fruit				--
44	SCOPOLETIN	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	4-METHYL-PENTANOIC-ACID	Fruit				--
0	ZETA-CAROTENE	Fruit				--
0	LUTEOLIN-7-O-BETA-D-GLUCOSIDE	Leaf				--
0	GLUTAMINASE	Fruit				--
3	CAPSIDIOL	Tissue Culture				--
0	AMMONIA(NH3)	Fruit		382.0		--
0	PHYTOENE	Fruit				--
0	31-NOR-LANOST-8-EN-3-BETA-OL	Seed				--
0	DECANOIC-ACID-VANILLYLAMIDE	Fruit	1.0	68.0		USDA's Ag Handbook 8 and sequelae)
0	N-TRANS-FERULOYL-TYRAMINE	Root		12.0		--
0	1-O-FERRULOYL-BETA-D-GLUCOSE	Fruit				--
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.
6	RISHITIN	Tissue Culture				--
0	AUROCHROME	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	BUTANE-1,3-DIOL	Fruit				--

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
0	P-XYLENE	Fruit				--
5	24-METHYLENE-CYCLOARTANOL	Seed				--
0	CITRULLIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FUNKIOSIDE C	Root				--
1	CAPSANOSIDE-A	Fruit	33.0	250.0		--
77	CHLOROGENIC-ACID	Leaf				--
0	N-TRANS-FERULOYL-OCTOPAMINE	Root	1.0	2.0		--
0	VANILLOYL-GLUCOSE	Fruit				--
0	LANOSTENOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
26	PHENOL	Fruit				--
0	2-METHYL-BUTAN-1-OL	Fruit				--
77	CHLOROGENIC-ACID	Fruit				--
0	AUROXANTHIN-2	Fruit	0.0	0.5		--
14	BETAINE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
2	ALPHA-CRYPTOXANTHIN	Fruit	1.0	25.0		--
2	HEXANOIC-ACID	Fruit				--
0	2-METHYL-PROPANAL	Fruit				--
5	SABINENE	Fruit				--
0	4-METHYL-HEXADECANE	Fruit				--
0	NORCAPSAICINE	Fruit				--
0	LUTEOLIN-7-O-BETA-APIOGLUCOSIDE	Leaf				--
0	CAPSICOSIDE E	Root				--
22	TETRAMETHYL-PYRAZINE	Fruit				--



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	ALUMINUM	Fruit				--
0	3-METHYL-PENTAN-3-OL	Fruit				--
0	1-O-CAFFEYOYL-BETA-D-GLUCOSE	Fruit				--
0	CAPSANOSIDE-V	Fruit		2.0		--
0	N-VANILLYL-N-NONAMIDE	Resin, Exudate, Sap				--
0	BUTANAL-3-METHYL	Fruit				--
0	ACETYLFURAN	Fruit				--
16	P-CYMENE	Fruit				--
0	24-METHYL-LOPHENOL	Seed				--
0	CITROXANTHIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CYCLOVIOLAXANTHIN	Fruit	0.0	70.0		--
0	CAPSIAMIDE	Fruit	20.0	200.0		Chemical Constituents of Oriental Herbs (3 diff. books)
1	EPSILON-CAROTENE	Fruit				--
0	N-PROPYL-AMINE	Fruit		2.3		--
0	LANOST-8-EN-3-BETA-OL	Seed				--
0	NONIVAMIDE	Resin, Exudate, Sap				--
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	AUROXANTHIN-1	Fruit	0.0	0.5		--
47	BETA-SITOSTEROL	Plant				--
5	HEXANAL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	2-HYDROXY-3-METHYL-CYCLOPENT-2-EN-1-ONE	Fruit				--
0	MUTATOXANTHIN-2	Fruit	0.5	295.0		--
0	4-METHYL-HEPTADECANE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	NONANOIC-ACID-VANILLYLAMIDE	Fruit	2.0	45.0		--
0	2-METHYL-5-ETHYLPYRAZINE	Fruit				--
7	GLUCOSE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CAPSICOSIDE C-3	Root				--
0	TETRADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	PHOSPHODIESTERASE	Tissue Culture				--
0	3-METHYL-BUTYRIC-ACID	Fruit				--
0	CYCLOPENTANOL	Fruit				--
0	1-HEXANOL	Fruit				--
0	CAPSIANOSIDE-IV	Fruit		9.0		--
0	NH3	Fruit		382.0		--
2	ASPARAGINE	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.
0	BUTANAL-2-METHYL	Fruit				--
26	SOLANINE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	24-METHYL-LANOST-9(11)-EN-3-BETA-OL	Seed				--
1	CITROSTADIENOL	Seed				--
0	CUCURBITAXANTHIN-B	Fruit	0.0	110.0		--
0	CAPSANTHIN-5,6-EPOXIDE	Fruit	0.0	185.0		--
0	CAPSICOSIN	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	L-ASPARIGINASE	Fruit				--
1	NAPHTHALENE	Fruit				--
0	9-CIS-CAPSANTHIN	Fruit	0.5	140.0		--
13	BETA-PINENE	Fruit				--
0	DI-N-PROPYL-AMINE	Fruit		0.3		--
0	HEXAN-1-AL	Fruit				--
0	1-HYDROXY-PROPAN-2-ONE	Fruit				--
0	MUTATOXANTHIN-1	Fruit	0.0	40.0		--
0	4-METHYL-3-PENTEN-2-ONE	Fruit				--
0	NONADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	2-METHOXY-3-ISOBUTYL-PYRAZINE	Fruit				--
21	LUPEOL	Seed				--
1	GLUCOSAMINE	Fruit				--
0	CAPSICOSIDE C-2	Root				--
9	TERPINOLENE	Fruit				--
0	ALPHA-THUJENE	Fruit				--
0	PHOSPHATIDYL-GLYCEROL	Fruit				--
0	3-METHYL-BUTANAL	Fruit				--
0	CYCLOHEXANONE	Fruit				--
0	CAPSIANOSIDE-III	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.
5	SOLANIDINE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	P-AMINO-BENZALDEHYDE	Root		6.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	24-(R)-ETHYL-LOPHENOL	Seed				--
23	CITRIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CUCURBITAXANTHIN-A	Fruit	1.0	610.0		--
2	CAPSANTHIN	Fruit	1.0	2820.0		--
0	CAPSIAMIDE	Plant				--
0	N-NITROSO-PYRROLIDINE	Fruit				--
0	TRYPTOPHAN-PYRROLO-OXYGENASE	Leaf				--
11	MALTOL	Fruit				--
76	EUGENOL	Fruit				--
24	BENZALDEHYDE	Fruit				--
0	13-CIS-CAPSANTHIN	Fruit	0.0	205.0		--
4	L-ASPARAGINASE	Fruit				--
0	MARGARIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	HEXADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	LUTEOLIN-7-O-BETA-D-DIGLUCOSIDE	Leaf				--
0	LUTEOXANTHIN-2	Fruit	7.0	110.0		--
1	PYRROLIDINE	Fruit		1.4		--
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	2-HEXANONE	Fruit				--
1	CAPSORUBIN	Fruit	0.0	260.0		--
0	LOPHENOL	Seed				--
11	GAMMA-TERPINENE	Fruit				--
0	CAPSICOSIDE B-2	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	TERPINEN-4-OL	Fruit				--
23	ALPHA-TERPINEOL	Fruit				--
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.
3	CYCLOEUCALENOL	Seed				--
0	CAPSIANOSIDE-II	Fruit				--
78	LUTEOLIN	Fruit		11.0		--
3	XANTHOPHYLL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	5-METHYL-2-FURFURAL	Fruit				--
0	2-PENTYLPYRIDINE	Fruit				--
0	CIS-9,10-DIHYDRO-CAPSENONE	Tissue Culture		1.0		--
0	CUCURBITACHROME	Fruit	0.0	400.0		--
0	5-HYDROXYCAPSANTHIN	Fruit				Jim Duke's personal files.
0	N-NITROSO-DIMETHYLAMINE	Fruit				--
0	ISOHEXYL-ISOCAPROATE	Fruit				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
3	LIGUSTRAZINE	Fruit				--
0	ETHYL-3-METHYLBUTYRATE	Fruit				--
0	ACETOIN	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.
28	PULEGONE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	HESPERIDIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	1,1-DIETHOXY-3-METHYLBUTANE	Fruit				--
0	LUTEOXANTHIN-1	Fruit	2.0	40.0		--
0	4-ALPHA-METHYL-5-ALPHA-CHOLEST-8(14)-EN-3-BETA-OL	Seed				--
0	2-HEXANOL	Fruit				--
0	CAPSOLUTEIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	GALACTOSE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CAPSICOSIDE A-3	Root				--
28	ALPHA-PINENE	Fruit				--
1	PENTADECANOIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	3-ISOPROPYL-2-METHOXYPIRAZINE	Fruit				--
7	CYCLOARTENOL	Seed				--
1	CAPSIANOSIDE-I	Fruit		18.0		--
0	LINOLENIC-ACID	Fruit				--
0	SKATOLE-PYRROLO-OXYGENASE	Leaf				--
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.
18	OLEIC-ACID	Seed				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				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CIS-9'-CAPSANTHIN	Fruit				--
0	CIS-BETA-CAROTENE	Fruit	1.0	60.0		--
0	HOMOCAPSAICIN	Resin, Exudate, Sap		3000.0		--
0	N-METHYL-ANILINE	Fruit		13.1		--
18	GUAIACOL	Fruit				--
0	ERIODICTIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
16	ACETIC-ACID	Fruit				--
60	LIMONENE	Fruit				--
1	MALONIC-ACID	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	HEPTADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
8	P-CRESOL	Fruit				--
1	TOLUENE	Fruit				--
0	LATOXANTHIN	Fruit	1.0	25.0		--
0	4-ALPHA-24-DIMETHYL-CHOLESTA-7,24-DIEN-3-BETA-OL	Seed				--
0	2-BUTANONE	Fruit				--
0	CAPSOCHROME	Fruit				--
1	RUBIXANTHIN	Fruit				--
0	GALACTOSAMINE	Fruit				--
0	CAPSICOSIDE A-2	Root				--
0	SULFOQUINOVOSYL-DIACYL-GLYCEROL	Fruit				--
11	ALPHA-PHELLANDRENE	Fruit				--
0	PENTADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	3-ISOBUTYL-2-METHOXYPIRAZINE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CYCLOARTANOL	Seed				--
0	CAPSIANOSIDE-F	Fruit				--
0	24-DIHYDROLANOSTEROL	Seed				--
0	5,6-DIHYDROXY-5,6-DIHYDRO-ZEAXANTHIN	Fruit				--
0	2-METHYL-PROPIONIC-ACID	Fruit				--
0	CIS-13'-CAPSANTHIN	Fruit				--
0	CIS-CRYPTOXANTHIN	Fruit	0.0	65.0		--
0	NORDIHYDROCAPSAICIN	Resin, Exudate, Sap		31000.0		--
0	N-HEXANAL	Fruit				--
0	HYDROXY-BENZOIC-ACID-4-BETA-D-GLUCOSIDE	Fruit				--
6	ETHYL-ACETATE	Fruit				--
0	5-HYDROXY-CAPSANTHIN-3,6-EPOXIDE	Fruit				--
0	BETA-APO-8'-CAROTENAL	Fruit				--
31	CARYOPHYLLENE	Fruit				--
1	MALONIC-ACID	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	HENEICOSANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
6	O-CRESOL	Fruit				--
0	KARPOXANTHIN	Fruit	0.5	150.0		--
0	4-ALPHA-14-ALPHA-24-TRIMETHYL-CHOLESTA-8(24)-DIEN-3-BETA-OL	Seed				--
0	2,3-DIMETHYL-PYRAZINE	Fruit				--
3	CAPSIDIOL	Fruit		29.0		--
0	1-METHYLPYRROLE-KETONE	Fruit				--
0	FUNKIOSIDE	Root				--
0	CAPSICOSIDE	Seed				--



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
2	CRYPTOXANTHIN	Fruit				--
0	9-CIS-ZEAXANTHIN	Fruit	2.0	32.0		--
0	CAPSIAIOSIDE-E	Fruit				--
0	SULFOQUINOVOSYL-DIACYL-GLYCEROL	Leaf				--
2	VIOLAXANTHIN	Fruit	2.0	205.0		--
0	LINALOL	Fruit				--
5	OCTANOIC-ACID	Fruit				--
0	2-METHYL-PENTAN-2-OL	Fruit				--
18	CINNAMIC-ACID	Tissue Culture				--
1	DIHYDROCAPSAICIN	Tissue Culture				--
0	N-CIS-FERULOYL-TYRAMINE	Root		2.0		--
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.
0	5-METHYL-FURFURAL	Fruit				--
0	DIN-N-PROPYL-AMINE	Fruit		0.3		--
0	4-ALPHA-METHYL-24-ETHYL-CHOLESTA-7,24-DIEN-3-BETA-OL	Seed				--
4	SILICON	Fruit				--
0	4-METHYLTRIDECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
9	BETA-AMYRIN	Seed				--
9	CAMPHENE	Fruit				--
0	GROSSAMIDE	Root		3.0		--
0	HOMODIHYDROCAPSAICIN	Resin, Exudate, Sap				--
0	ARACHIDIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PORPHOBILINOGEN-OXYGENASE	Leaf				--
0	31-NORCYCLOARTANOL	Seed				--
1	DIHYDROCAPSAICIN	Fruit	75.0	1628.0		--
0	NEO-BETA-CAROTENE	Plant				--
0	2,3-DIMETHYL-5-ETHYLPYRAZINE	Fruit				--
0	CAPSICOSIDE-C-1	Root		600.0		--
0	FOLIAXANTHIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CAPSICOSIDE	Plant				--
2	ALPHA-CRYPTOXANTHIN	Plant				--
0	3-HEXANOL	Fruit				--
0	CRYPTOCAPSIN	Fruit	0.2	75.0		--
0	15-CIS-ZEAXANTHIN	Fruit	0.0	9.0		--
1	CAPSIANOSIDE-D	Fruit	21.0	38.0		--
0	PHOSPHATIDYL-GLYCEROL	Leaf				--
0	VANILLYL-OCTANAMIDE	Fruit				--
0	1,1-DIETHOXY-2-METHYLPROPANE	Fruit				--
0	OCTANE	Fruit				--
0	2-METHYL-BUTYRIC-ACID	Fruit				--
1	DIHYDROCAPSAICIN	Resin, Exudate, Sap		318000.0		--
0	N-(13-METHYLTETRADECYL)ACETAMIDE	Fruit	300.0	400.0		--
0	HOMODIHYDROCAPSAICIN	Fruit	2.0	90.0		--
0	4-METHYL-GUAIACOL	Fruit				--
0	3'-O-MYRISTOYLCAPSANTHIN	Fruit				--
0	4-METHYLTETRADECANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GRAMISTEROL	Seed				--
0	GAMMA-BUTYROLACTONE	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				--
8	DELTA-3-CARENE	Fruit				--
0	N-TRANS-P-COUMAROYL-TYRAMINE	Root		2.0		--
0	2,3-BUTANEDIOL	Fruit				--
0	CAPSICOSIDE-B-1	Root		620.0		--
1	BEHENIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)