

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Prunus persica*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
176	QUERCETIN	Plant				--
112	ASCORBIC-ACID	Fruit	14.0	1127.0	-0.2144155346676902	--
102	CAFFEIC-ACID	Leaf				--
89	URSOLIC-ACID	Leaf				--
77	CHLOROGENIC-ACID	Flower				--
77	ZINC	Seed		31.0	-0.40121173892745016	--
77	ZINC	Fruit	0.45	37.5	0.21657175587750332	--
77	ZINC	Bark				--
77	CHLOROGENIC-ACID	Leaf				--
75	KAEMPFEROL	Leaf				--
65	MAGNESIUM	Seed		3810.0	0.341319686340125	--
65	MAGNESIUM	Fruit	68.0	850.0	-0.5925925103212369	--
65	MAGNESIUM	Bark		4220.0	1.6844058946030764	--
61	FERULIC-ACID	Plant				--
60	SELENIUM	Fruit	0.0	0.003	-0.3854433078149001	--
60	SELENIUM	Bark				--
56	NARINGENIN	Plant				--
53	BETA-CAROTENE	Fruit	0.0	30.0	-0.0928111696473833	--
47	BETA-SITOSTEROL	Leaf				--
44	QUERCITRIN	Flower				--
39	NIACIN	Fruit	10.0	82.0	0.2847692582513506	--
35	TANNIN	Leaf		8000.0	-1.251686733854824	--
35	TANNIN	Fruit		8000.0	-0.8344992977169778	--
32	ALPHA-TOCOPHEROL	Fruit	10.0	86.0	0.2021218753962024	--
31	THIAMIN	Fruit	1.0	2.0	-0.4266044741562528	--
29	TRYPTOPHAN	Fruit	20.0	162.0	-0.9661985783916751	--
28	CALCIUM	Seed		970.0	-0.5833745228307139	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	CALCIUM	Fruit	18.0	8850.0	1.152351212438501	--
27	LINOLEIC-ACID	Seed				--
27	LINOLEIC-ACID	Fruit	440.0	3565.0	-0.3051031281009062	--
25	P-COUMARIC-ACID	Leaf				--
24	ETHANOL	Fruit				--
24	CHROMIUM	Fruit	0.01	2.25	-0.19160243707250688	--
24	BENZALDEHYDE	Seed				--
24	CHROMIUM	Bark		35.0	2.748629217319038	--
24	BENZALDEHYDE	Fruit				--
23	CITRIC-ACID	Fruit				--
18	OLEIC-ACID	Seed				--
18	OLEIC-ACID	Fruit	340.0	2755.0	-0.4595114534849067	--
16	ACETIC-ACID	Fruit				--
16	METHYL-GALLATE	Flower				--
16	LYCOPENE	Fruit				--
15	FOLACIN	Fruit	0.031	0.303	-0.7126669901123589	--
15	RIBOFLAVIN	Fruit	1.0	4.0	-0.21615825716438572	--
15	METHIONINE	Fruit	170.0	1377.0	0.5153291421307765	--
15	LUTEIN	Fruit	0.14	2.8	-0.5928723682155337	--
15	FIBER	Seed		148000.0	0.10439667406847009	--
15	FIBER	Fruit	6210.0	162000.0	0.19178343635316814	--
14	MANGANESE	Seed		17.0	-0.4549371722329042	--
14	SUCROSE	Fruit	20000.0	100000.0	-0.03779021917455101	--
14	MANGANESE	Fruit	0.0	22.5	-0.2551754250741064	--
14	MANGANESE	Bark		54.0	-0.31529943071512195	--
14	POTASSIUM	Seed		7010.0	-0.4889707032895605	--
14	POTASSIUM	Fruit	1275.0	22072.0	0.367651517245786	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	POTASSIUM	Bark		19400.0	2.8976195959667903	--
14	ARGININE	Fruit	180.0	1458.0	-0.7606717069436094	--
14	SULFUR	Fruit	3.0	700.0	-0.49732891707841165	--
13	MUFA	Fruit	340.0	2755.0	-0.2138978653113949	--
13	FORMIC-ACID	Fruit				--
13	PALMITIC-ACID	Seed				--
13	PALMITIC-ACID	Fruit	90.0	730.0	-0.3541710539462523	--
12	GLYCINE	Fruit	240.0	1944.0	-0.6423767540378408	--
12	STIGMASTEROL	Seed				--
12	COPPER	Seed		10.0	-0.43669625458362493	--
12	COPPER	Fruit	0.3	30.0	1.3371913013407486	--
11	PANTOTHENIC-ACID	Fruit	2.0	14.0	-0.26180763476426655	--
11	LITHIUM	Fruit	0.06	0.6	-0.30198496035693784	--
10	SQUALENE	Seed				--
9	HCN	Leaf				--
9	OXALIC-ACID	Hh		10.0		--
9	BENZYL-ALCOHOL	Fruit				--
9	BENZYL-ACETATE	Fruit				--
9	OXALIC-ACID	Plant		10.0	-0.5356216717488533	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	GLUTAMIC-ACID	Fruit	1060.0	8586.0	-0.3620001597277373	--
8	STEARIC-ACID	Seed				--
8	STEARIC-ACID	Fruit	10.0	80.0	-0.27391600706826585	--
8	AMYGDALIN	Seed	25500.0	60000.0	0.6284685899410869	--
8	AMYGDALIN	Leaf		10000.0	1.4142135623730954	--
8	TYROSINE	Fruit	180.0	1458.0	-0.3980994830168135	--
7	GLUCOSE	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
7	HISTIDINE	Fruit	130.0	1053.0	-0.46246554166516646	--
7	PHENYLALANINE	Plant	220.0	1782.0	-1.2875013271372304	--
6	IRON	Seed		80.0	-0.3289264472330861	--
6	ETHYL-ACETATE	Fruit				--
6	IRON	Fruit	1.0	99.0	-0.13478186523083807	--
6	IRON	Bark		117.0	-0.3807705481969603	--
6	ACETALDEHYDE	Plant				--
5	ALUMINUM	Fruit	2.25	1050.0	0.08194632655997974	--
5	ALUMINUM	Bark		43.0	-0.6557652317744864	--
5	ZEAXANTHIN	Fruit				--
5	STARCH	Seed		36000.0	-1.1101918148910357	--
5	24-METHYLENE-CYCLOARTANOL	Seed				--
4	SILICON	Fruit	4.0	30.0	-0.5109737433242715	--
4	SILICON	Bark				--
4	BORON	Fruit	1.0	150.0	2.2161625825594244	--
4	TIN	Bark		9.4	-0.4187334798047416	--
4	THREONINE	Fruit	270.0	2187.0	-0.3453145549984684	--
4	LYSINE	Fruit	230.0	1863.0	-0.5831162230970411	--
4	PHOSPHORUS	Fruit	90.0	2000.0	-0.3693459584082821	--
4	PUFA	Fruit	450.0	3645.0	-0.5785872916757613	--
4	PHOSPHORUS	Bark		3150.0	1.620595203076627	--
3	CADMIUM	Fruit	0.0	0.45	0.678892106073202	--
3	ASPARTIC-ACID	Fruit	1170.0	8586.0	-0.20659725424807873	--
3	ISOLEUCINE	Fruit	200.0	1620.0	-0.60603763942428	--
3	ALANINE	Fruit	420.0	3402.0	-0.12007009011557077	--
3	NICKEL	Fruit	0.15	4.5	0.5890816898221887	--
3	VALINE	Fruit	380.0	3078.0	-0.2837004646003149	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	METHYL-ACETATE	Fruit				--
3	SILVER	Fruit	0.015	0.3	0.1081254631556644	--
2	CRYPTOXANTHIN	Plant	0.5	10.0		--
2	TRIFOLIN	Flower				--
2	LEUCINE	Fruit	400.0	3240.0	-0.39565855080757784	--
2	MOLYBDENUM	Fruit	0.1	1.05	-0.2747968237095754	--
2	COBALT	Fruit	0.005	0.45	-0.48063855104011965	--
2	ARSENIC	Fruit	0.001	0.053	-0.46900283532326215	--
2	QUERCETIN-3'-GLUCOSIDE	Leaf				--
2	COBALT	Bark		20.0	0.08158977670351007	--
2	CAMPESTEROL	Seed				--
2	PHYTOSTEROLS	Fruit	100.0	810.0	-0.17440113934019524	--
2	QUERCETIN-3'-GLUCOSIDE	Fruit				--
2	PALMITOLEIC-ACID	Fruit	10.0	80.0	-0.33080937418369827	--
2	KAEMPFEROL-3-RHAMNOSIDE	Plant				--
2	GAMMA-NONALACTONE	Fruit				--
2	PRUNASIN	Seed				--
2	HEXANOIC-ACID	Fruit				--
2	CYSTINE	Fruit	60.0	486.0	-0.5688125891361131	--
1	TRIOLEIN	Seed				--
1	QUERCETIN-3-O-RHAMNOSIDE	Leaf				--
1	TRANS-2-HEXENYL-ACETATE	Fruit				--
1	QUERCETIN-3-O-RHAMNOSIDE	Fruit				--
1	MALONIC-ACID	Fruit				--
1	ETHYL-BENZOATE	Fruit				--
1	SERINE	Fruit	320.0	2592.0	-0.37105738475658634	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
1	AFZELIN	Flower				--
1	SODIUM	Seed		29.0	-0.6696812830472324	--
1	QUINIC-ACID	Leaf				--
1	HEXYL-FORMATE	Fruit				--
1	SODIUM	Fruit	0.0	366.0	-0.14924341750343995	--
1	HEXYL-ACETATE	Fruit				--
1	SODIUM	Bark				--
1	D-AFZELECHIN	Root				--
1	MERCURY	Fruit	0.0	0.007	-0.5062779328438466	--
1	GAMMA-HEXALACTONE	Fruit				--
0	PROTEIN	Seed	239000.0	312000.0	0.6956644794722806	--
0	HENTRIACONTANE	Leaf				--
0	LINOLENIC-ACID	Fruit	10.0	80.0	-0.9150178166458993	--
0	GAMMA-HEPTALACTONE	Fruit				--
0	(+)-ABSCISIC-ACID	Plant				--
0	PENTYL-ACETATE	Fruit				--
0	CYANIDIN-3-MONOGLUCOSIDE	Fruit				--
0	QUERCETIN-3-O-RUTINOSIDE	Fruit				--
0	MULTIFLORIN-A	Flower				--
0	PROTEIN	Fruit	6850.0	63000.0	-0.6233331481955912	--
0	CARBOHYDRATES	Fruit	111000.0	910000.0	0.6797669957468953	--
0	STRONTIUM	Fruit	0.225	45.0	-0.3581083558625855	--
0	FAT	Seed	399000.0	456000.0	1.004023738838818	--
0	BROMINE	Fruit				--
0	ASH	Fruit	4000.0	150000.0	2.416974356959659	--
0	ISOVALERIANIC-ACID	Fruit				--
0	CAPRONIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROLINE	Fruit	290.0	2349.0	-0.45526635418043243	--
0	FAT	Fruit	860.0	18000.0	-0.5037695376674687	--
0	SFA	Fruit	100.0	810.0	-0.3613468233087338	--
0	ASH	Bark		63000.0	-0.4774545054978449	--
0	MUCIC-ACID	Plant				--
0	CAMPESTEROL-3-O-BETA-D-GLUCOPYRANOSIDE	Seed				--
0	TITANIUM	Fruit	0.075	30.0	-0.07548690747068197	--
0	QUERCETIN-3-O-GALACTOSIDE	Leaf				--
0	PENTANOIC-ACID	Fruit				--
0	CAMPESTEROL-3-O-BETA-(6-O-PALMITYL)-GLUCOPYRANOSIDE	Seed				--
0	WATER	Fruit	835000.0	964000.0	0.8410268026586839	--
0	NITROGEN	Fruit	1400.0	13075.0	-0.10849236253135133	--
0	LEAD	Fruit	0.3	3.0	-0.31290770019582986	--
0	QUERCETIN-3-O-GALACTOSIDE	Fruit				--
0	METHYL-GLUCOPYRANOSIDE	Seed				--
0	PECTINS	Fruit		8600.0	-1.2716923396314754	--
0	GIBBERELLIN-A-5	Plant				--
0	CAMPESTEROL-3-O-BETA-(6-O-OLEYL)-GLUCOPYRANOSIDE	Seed				--
0	WATER	Bark		792000.0	0.49484290131952474	--
0	L-RHAMNOSE	Gum				--
0	GIBBERELLIN-A-32-ACETONIDE	Plant				--
0	FLUORINE	Fruit	0.1	0.8	-0.5468172930812437	--
0	D-XYLOSE	Gum				--
0	VIT-B-6	Fruit	0.2	1.6	-1.1104882073135365	--
0	L-MALIC-ACID	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ANTHOCYANIDIN	Fruit				--
0	METHYL-FRUCTOFURANOSIDE	Seed				--
0	GIBBERELLIN-A-32	Seed				--
0	FLAVONOL-GYLCOSIDES	Leaf	7500.0	10400.0		--
0	A-DECALACTONE	Fruit				--
0	PHYTIN-PHOSPHORUS	Fruit		10.0	-1.2266792414911796	--
0	D-GLUCURONIC-ACID	Plant				--
0	BENZALDEHYDECYANHYDRIN	Seed				--
0	L-ARABINOSE	Gum				--
0	GAMMA-OCTALACTONE	Plant				--
0	FLAVONOL-GLYCOSIDES	Fruit		10.0	-1.0	--
0	N-ACETYL-GLUCOSAMINE	Na				Caldwell, D. L., Gerhardt, K. O. 1986. Chemical Analysis of Peach Extrafloral Nectary Exudate. Phytochemistry, 252: 411-413.
0	4-ALPHA-METHYLSTIGMASTA-7,Z,24(28)-DIEN-3-BETA-OL	Seed				--
0	D-GALACTOSE	Gum				--
0	MULTINOSIDE-B	Flower				--
0	CAFFEIC-ACID-ESTER	Leaf				--
0	3',5'-DIHYDROXY-4',7-DIMETHOXY-FLAVANONE	Plant				--
0	QUERCETIN-3-DIGLUCOSIDE	Leaf				--
0	MULTINOSIDE-A	Flower				--
0	KAEMPFEROL-3-O-GLUCOSIDE	Plant				--
0	AMANDIN	Seed				--
0	ZIRCONIUM	Fruit	0.3	4.5	0.13172616333057227	--
0	P-COUMARIC-ACID-ESTER	Leaf				--
0	BARIUM	Fruit	0.045	30.0	0.23749286365790012	--

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0	QUERCETIN-3-DIGLUCOSIDE	Fruit				--
0	MULTIFLORIN-B	Flower				--
0	KAEMPFEROL-3-O-GALACTOSIDE	Plant				--