

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Prunus cerasus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	2,3-DIHYDROWOGONIN	Fruit				--
0	2,3-DIHYDROWOGONIN-7-MONO-BETA-D-GLUCOSIDE	Fruit				--
0	2-HEPTANONE	Fruit				--
0	2-METHYL-MALIC-ACID	Fruit				--
0	24-METHYLENE-CYCLOARTENOL	Plant				--
0	4-HYDROXYMETHYLPROLINE	Fruit				--
16	ACETIC-ACID	Fruit				--
12	ALLANTOIN	Stem				--
0	ALPHA-ALANINE	Fruit				--
15	ALPHA-LINOLENIC-ACID	Fruit	440.0	3168.0	0.28219729749530936	--
32	ALPHA-TOCOPHEROL	Fruit	1.3	9.4	-0.9769309490452676	--
8	AMYGDALIN	Leaf				--
0	ANTIRRHININ	Fruit				--
101	APIGENIN	Plant				--
0	ARACHIDIC-ACID	Seed	2400.0	3200.0	-0.34254062059281093	--
14	ARGININE	Fruit				--
3	AROMADENDRIN	Plant				--
0	AROMADENDRINOL	Plant				--
112	ASCORBIC-ACID	Fruit	70.0	873.0	-0.23020849082095218	--
0	ASH	Fruit	4000.0	48000.0	-0.2243510805009802	--
2	ASPARAGINE	Fruit				--
3	ASPARTIC-ACID	Fruit				--
24	BENZALDEHYDE	Fruit		3.0	-0.7922320209317137	--
0	BENZOIC-ACID-ETHYL-ESTER	Plant				--
2	BETA-ALANINE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	BETA-CAROTENE	Fruit	1.0	6.0	-0.1392027372339869	--
13	BETA-IONONE	Plant				--
47	BETA-SITOSTEROL	Plant				--
4	BORON	Fruit	1.0	80.0	0.8067974667501124	--
102	CAFFEIC-ACID	Plant				--
28	CALCIUM	Fruit	140.0	1954.0	-0.43897232148136517	--
0	CARBOHYDRATES	Fruit	103000.0	876960.0	0.5030851363040467	--
0	CAROTENOIDS	Fruit	1.0	10.0	-0.5097434821058532	--
0	CERASIDIN	Plant				--
0	CERASIN	Plant				--
0	CERASINONE	Plant				--
77	CHLOROGENIC-ACID	Fruit				--
60	CHRYSIN	Plant				--
23	CITRIC-ACID	Fruit				--
57	COUMARIN	Plant				--
0	CRYPTOCHLOROGENIC-ACID	Fruit				--
7	CYANIDIN	Fruit				--
0	CYANIDIN-3-DIGLUCOSIDE	Fruit				--
0	CYANIDIN-3-GENTIOBIOSIDE	Fruit				--
0	CYANIDIN-3-GLUCOSIDE	Stem				--
0	CYANIDIN-3-GLUCOSYL-RHAMNOSYL-GLUCOSIDE	Stem				--
0	CYANIDIN-3-MONOGLUCOSIDE	Fruit				--
1	CYANIDIN-3-RUTINOSIDE	Stem				--
0	CYANIDIN-3-SOPHOROSIDE	Stem				--
0	D,L-CATECHIN	Stem				--
1	DECAN-1-AL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	DIHYDROCOUMARIN	Plant				--
0	EO	Seed		10000.0	-0.424081099576988	--
40	EPICATECHIN	Plant				--
76	EUGENOL	Plant				--
5	EUGENOL-METHYL-ETHER	Plant				--
0	FAT	Fruit	3000.0	48000.0	-0.2746319507704498	--
61	FERULIC-ACID	Plant				--
15	FIBER	Fruit	2000.0	79000.0	-0.5914444614968541	--
15	FOLACIN	Fruit	1.0	6.0	1.6153957649116897	--
2	FRAXINOL	Plant				--
8	FRUCTOSE	Fruit	61000.0	72400.0	0.2387217941525563	--
7	FUMARIC-ACID	Fruit				--
0	GALACTURONIC-ACID	Fruit				--
62	GALLIC-ACID	Plant				--
22	GAMMA-AMINOBUTYRIC-ACID	Fruit				--
81	GENISTEIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	GENISTIN	Fruit				--
7	GLUCOSE	Fruit	47000.0	55000.0	-0.3113654030593155	--
4	GLUCURONIC-ACID	Fruit				--
8	GLUTAMIC-ACID	Fruit				--
5	GLUTAMINE	Fruit				--
12	GLYCINE	Fruit				--
9	HCN	Fruit				--
30	HYPEROSIDE	Plant				--
6	IRON	Fruit	3.0	78.0	-0.21808320531511716	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
4	ISOCHLOROGENIC-ACID	Fruit				--
5	ISOVALERIC-ACID	Fruit				--
5	KAEMPFERIDE	Plant				--
75	KAEMPFEROL	Plant				--
8	LACTIC-ACID	Fruit				--
2	LEUCINE	Fruit				--
1	LEUCOCYANIDIN	Fruit				--
0	LINALOL	Fruit				--
27	LINOLEIC-ACID	Fruit	460.0	3312.0	-0.30867257430312856	--
27	LINOLEIC-ACID	Seed	127200.0	169600.0	0.5353160219759161	--
65	MAGNESIUM	Fruit	90.0	648.0	-0.6861302464764049	--
0	MALEIC-ACID	Fruit				--
15	MALIC-ACID	Fruit Juice				--
14	MANGANESE	Fruit	1.0	8.0	-0.3507865335531638	--
18	MANNITOL	Fruit				--
0	MESOCYANIN	Fruit				--
21	METHYL-SALICYLATE	Plant				--
6	MYRISTIC-ACID	Seed	600.0	800.0	-0.2855305257263749	--
6	MYRISTIC-ACID	Fruit	20.0	144.0	-0.26235038380237036	--
56	NARINGENIN	Fruit				--
2	NEO-CHLOROGENIC-ACID	Fruit				--
39	NIACIN	Fruit	4.0	32.0	-0.3836439697079757	--
6	O-CRESOL	Plant				--
5	OCTANOIC-ACID	Fruit				--
64	OLEANOLIC-ACID	Fruit				--
18	OLEIC-ACID	Seed	148200.0	197600.0	0.6452878088035691	--
18	OLEIC-ACID	Fruit	810.0	5832.0	-0.4357959837402269	--

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25	P-COUMARIC-ACID	Fruit				--
8	P-CRESOL	Plant				--
13	P-HYDROXY-BENZOIC-ACID	Plant				--
0	PAEONIDIN	Fruit				--
0	PAEONIDIN-3-DIGLUCOSIDE	Plant				--
0	PAEONIDIN-3-RUTINOSIDE	Fruit				--
13	PALMITIC-ACID	Seed	12900.0	17200.0	-0.3447092403833368	--
13	PALMITIC-ACID	Fruit	480.0	3456.0	-0.3117329990337756	--
2	PALMITOLEIC-ACID	Fruit	10.0	72.0	-0.33227154199165215	--
11	PANTOTHENIC-ACID	Fruit	1.0	10.0	-0.5169531369709149	--
0	PECTINESTERASE	Fruit				--
0	PECTINS	Fruit	6000.0	18000.0	-0.6523188685156274	--
7	PHENYLALANINE	Fruit				--
4	PHOSPHORUS	Fruit	150.0	2302.0	-0.27761654231376065	--
2	PIPECOLIC-ACID	Fruit				--
14	POTASSIUM	Fruit	1120.0	19277.0	0.12036773502590835	--
0	PROLINE	Fruit				--
0	PROTEIN	Fruit	9890.0	103000.0	-0.08711575453498036	--
0	PROTOPECTIN	Fruit				--
2	PRUNASIN	Seed				--
2	PRUNETIN	Fruit				--
176	QUERCETIN	Fruit				--
0	QUERCETIN-3-BETA-D-GLUCOSIDE	Plant				--
0	QUERCETIN-7-HETEROSIDE	Plant				--
44	QUERCITRIN	Plant				--
1	QUINIC-ACID	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	RIBOFLAVIN	Fruit	0.0	5.0	-0.0019916133753625524	--
87	RUTIN	Plant				--
1	SERINE	Fruit				--
14	SHIKIMIC-ACID	Fruit				--
1	SODIUM	Plant	30.0	216.0	-0.29212110141833325	--
11	SORBITOL	Fruit				--
10	SQUALENE	Plant				--
8	STEARIC-ACID	Seed	8700.0	11600.0	-0.31370943040449595	--
8	STEARIC-ACID	Fruit	160.0	1152.0	-0.2028230875205107	--
12	STIGMASTEROL	Plant				--
7	SUCCINIC-ACID	Fruit				--
0	SUGARS	Fruit	68000.0	104400.0	-0.453261143644913	--
35	TANNIN	Bark	50000.0	70000.0	-0.6218356919104978	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	TARTARIC-ACID	Fruit				--
17	TAXIFOLIN	Plant				--
0	TAXIFOLIN-3-HETEROSIDE	Fruit				--
0	TECTOCHRYSIN	Plant				--
31	THIAMIN	Fruit	0.0	5.0	-0.0425885992841977	--
4	THREONINE	Fruit				--
8	TYROSINE	Fruit				--
89	URSOLIC-ACID	Fruit				--
3	VALINE	Fruit				--
24	VANILLIC-ACID	Plant				--
0	WATER	Fruit	826000.0	874000.0	0.44969837832982723	--
77	ZINC	Fruit	1.0	7.0	-0.7010475051378668	--