

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Prunus cerasus

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
16	ACETIC-ACID	Fruit	--	--		
12	ALLANTOIN	Stem	--	--		
15	ALPHA-LINOLENIC-ACID	Fruit	440	3168	0.28219729749530936	
32	ALPHA-TOCOPHEROL	Fruit	1.3	9.4	-0.9769309490452676	
8	AMYGDALIN	Leaf	--	--		
101	APIGENIN	Plant	--	--		
14	ARGININE	Fruit	--	--		
3	AROMADENDRIN	Plant	--	--		
112	ASCORBIC-ACID	Fruit	70	873	-0.23020849082095218	
2	ASPARAGINE	Fruit	--	--		
3	ASPARTIC-ACID	Fruit	--	--		
24	BENZALDEHYDE	Fruit	3	3	-0.7922320209317137	
2	BETA-ALANINE	Fruit	--	--		
53	BETA-CAROTENE	Fruit	1	6	-0.1392027372339869	
13	BETA-IONONE	Plant	--	--		
47	BETA-SITOSTEROL	Plant	--	--		
4	BORON	Fruit	1	80	0.8067974667501124	
102	CAFFEIC-ACID	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	CALCIUM	Fruit	140	1954	-0.43897232148136517	
77	CHLOROGENIC-ACID	Fruit	--	--		
60	CHRYSIN	Plant	--	--		
23	CITRIC-ACID	Fruit	--	--		
57	COUMARIN	Plant	--	--		
7	CYANIDIN	Fruit	--	--		
1	CYANIDIN-3-RUTINOSIDE	Stem	--	--		
1	DECAN-1-AL	Plant	--	--		
2	DIHYDROCOUMARIN	Plant	--	--		
40	EPICATECHIN	Plant	--	--		
76	EUGENOL	Plant	--	--		
5	EUGENOL-METHYL-ETHER	Plant	--	--		
61	FERULIC-ACID	Plant	--	--		
15	FIBER	Fruit	2000	79000	-0.5914444614968541	
15	FOLACIN	Fruit	1	6	1.6153957649116897	
2	FRAXINOL	Plant	--	--		
8	FRUCTOSE	Fruit	61000	72400	0.2387217941525563	
7	FUMARIC-ACID	Fruit	--	--		
62	GALLIC-ACID	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
22	GAMMA-AMINOBTYRIC-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	55000	-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	78	-0.21808320531511716	
4	ISOCHLOROGENIC-ACID	Fruit	--	--		
5	ISOVALERIC-ACID	Fruit	--	--		
5	KAEMPFERIDE	Plant	--	--		
75	KAEMPFEROL	Plant	--	--		
8	LACTIC-ACID	Fruit	--	--		
2	LEUCINE	Fruit	--	--		
1	LEUCOCYANIDIN	Fruit	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
27	LINOLEIC-ACID	Fruit	460	3312	-0.30867257430312856	
27	LINOLEIC-ACID	Seed	127200	169600	0.5353160219759161	
65	MAGNESIUM	Fruit	90	648	-0.6861302464764049	
15	MALIC-ACID	Fruit Juice	--	--		
14	MANGANESE	Fruit	1	8	-0.3507865335531638	
18	MANNITOL	Fruit	--	--		
21	METHYL-SALICYLATE	Plant	--	--		
6	MYRISTIC-ACID	Fruit	20	144	-0.26235038380237036	
6	MYRISTIC-ACID	Seed	600	800	-0.2855305257263749	
56	NARINGENIN	Fruit	--	--		
2	NEO-CHLOROGENIC-ACID	Fruit	--	--		
39	NIACIN	Fruit	4	32	-0.3836439697079757	
6	O-CRESOL	Plant	--	--		
5	OCTANOIC-ACID	Fruit	--	--		
64	OLEANOLIC-ACID	Fruit	--	--		
18	OLEIC-ACID	Fruit	810	5832	-0.4357959837402269	
18	OLEIC-ACID	Seed	148200	197600	0.6452878088035691	
25	P-COUMARIC-ACID	Fruit	--	--		
8	P-CRESOL	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	P-HYDROXY-BENZOIC-ACID	Plant	--	--		
13	PALMITIC-ACID	Fruit	480	3456	-0.3117329990337756	
13	PALMITIC-ACID	Seed	12900	17200	-0.3447092403833368	
2	PALMITOLEIC-ACID	Fruit	10	72	-0.33227154199165215	
11	PANTOTHENIC-ACID	Fruit	1	10	-0.5169531369709149	
7	PHENYLALANINE	Fruit	--	--		
4	PHOSPHORUS	Fruit	150	2302	-0.27761654231376065	
2	PIPECOLIC-ACID	Fruit	--	--		
14	POTASSIUM	Fruit	1120	19277	0.12036773502590835	
2	PRUNASIN	Seed	--	--		
2	PRUNETIN	Fruit	--	--		
176	QUERCETIN	Fruit	--	--		
44	QUERCITRIN	Plant	--	--		
1	QUINIC-ACID	Fruit	--	--		
15	RIBOFLAVIN	Fruit	--	5	-0.0019916133753625524	
87	RUTIN	Plant	--	--		
1	SERINE	Fruit	--	--		
14	SHIKIMIC-ACID	Fruit	--	--		
1	SODIUM	Plant	30	216	-0.29212110141833325	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	SORBITOL	Fruit	--	--		
10	SQUALENE	Plant	--	--		
8	STEARIC-ACID	Seed	8700	11600	-0.31370943040449595	
8	STEARIC-ACID	Fruit	160	1152	-0.2028230875205107	
12	STIGMASTEROL	Plant	--	--		
7	SUCCINIC-ACID	Fruit	--	--		
35	TANNIN	Bark	50000	70000	-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	--	--		
31	THIAMIN	Fruit	--	5	-0.0425885992841977	
4	THREONINE	Fruit	--	--		
8	TYROSINE	Fruit	--	--		
89	URSOLIC-ACID	Fruit	--	--		
3	VALINE	Fruit	--	--		
24	VANILLIC-ACID	Plant	--	--		
77	ZINC	Fruit	1	7	-0.7010475051378668	