

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Prunus dulcis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	1-DECANOL	Flower				--
0	24-METHYLENE-CYCLOARTENOL	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
3	ALANINE	Seed	9430.0	9864.0	-0.06212083739111058	USDA's Ag Handbook 8 and sequelae)
0	ALDOBIOURONIC-ACID	Plant				--
15	ALPHA-LINOLENIC-ACID	Seed	3740.0	3912.0	-0.25373322233390966	USDA's Ag Handbook 8 and sequelae)
32	ALPHA-TOCOPHEROL	Seed	150.0	275.0	0.14248131868056554	--
5	ALUMINUM	Seed	3.0	10.0	-0.34700455471682584	--
8	AMYGDALIN	Seed	2000.0	85000.0	1.4242862689547642	--
0	ANTIMONY	Seed		0.1	-0.16686477174992723	--
0	ARABINOGALACTANS	Seed				--
14	ARGININE	Seed	24950.0	26098.0	0.061720454614437946	USDA's Ag Handbook 8 and sequelae)
2	ARSENIC	Seed		0.02	-0.6237689826185465	Furr, A.K., et al. 1979
112	ASCORBIC-ACID	Seed	0.0	13.0	-0.33065211039157	USDA's Ag Handbook 8 and sequelae)
0	ASH	Seed	21000.0	33022.0	-0.4468968439215791	USDA's Ag Handbook 8 and sequelae)
3	ASPARTIC-ACID	Seed	23490.0	24571.0	0.1759553300648267	USDA's Ag Handbook 8 and sequelae)
0	BARIUM	Seed		2.6	-0.275283062677409	--
24	BENZALDEHYDE	Seed		8200.0		--
53	BETA-CAROTENE	Seed	0.0	0.05	-0.4261831167282885	USDA's Ag Handbook 8 and sequelae)
47	BETA-SITOSTEROL	Seed	1220.0	1230.0	-0.15898553235831198	--
4	BORON	Seed	8.0	38.0	0.6588038016194001	--
0	BROMINE	Seed		20.0	0.31881680476587715	Furr, A.K., et al. 1979
3	CADMIUM	Seed	0.005	0.02	-0.33871058338433535	--
102	CAFFEIC-ACID	Plant				--
28	CALCIUM	Seed	2426.0	2962.0	-0.2175278904702403	--

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4	CALCIUM-OXALATE	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
2	CAMPESTEROL	Seed		50.0	-0.5188689275444304	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
1	CAPROIC-ACID	Flower				--
0	CARBOHYDRATE	Seed	129000.0	243000.0	-1.1636044593368189	--
0	CARBOHYDRATES	Seed	204000.0	213284.0	-1.2324727235685466	USDA's Ag Handbook 8 and sequelae)
0	CESIUM	Seed		0.1	-0.3427209689454117	--
7	CHLORINE	Seed		28.0	-0.6817454383168956	--
24	CHROMIUM	Seed	0.1	1.7	-0.43484142606170517	--
1	CITROSTADIENOL	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
2	COBALT	Seed	0.08	0.2	-0.19726970453812753	--
12	COPPER	Seed	1.0	11.0	-0.34599137524950224	--
5	CRESOL	Flower				--
7	CYANIDIN	Leaf				--
2	CYSTINE	Seed	3580.0	3745.0	0.41395826118596063	USDA's Ag Handbook 8 and sequelae)
0	D-GALACTOSE	Gum				--
0	D-GLUCURONIC-ACID	Gum				--
0	D-XYLOSE	Gum				--
5	DAUCOSTEROL	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	DIOLEOLINOLEIN	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

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0	EMULSIN	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	EO	Seed	5000.0	18000.0	-0.3229458168617655	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
76	EUGENOL	Flower				--
0	EUROPIUM	Seed		0.1	1.4740366676721104	--
0	FAT	Seed	350000.0	621000.0	1.8731377592054226	--
61	FERULIC-ACID	Plant				--
15	FIBER	Seed	18000.0	32000.0	-0.8115591377785754	USDA's Ag Handbook 8 and sequelae)
0	FLUORINE	Seed		1.3	-0.28480814911433866	--
15	FOLACIN	Seed		1.0	-0.6618281740751478	USDA's Ag Handbook 8 and sequelae)
23	FOLIC-ACID	Seed		0.45	-0.3563056962621796	--
0	GADOLEIC-ACID	Seed	500.0	523.0	-0.6543491213981041	USDA's Ag Handbook 8 and sequelae)
14	GAMMA-TOCOPHEROL	Seed		5.0	-0.7157656092282327	--
35	GERANIOL	Flower				--
8	GLUTAMIC-ACID	Seed	59340.0	62070.0	0.8588708515929542	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Seed	12360.0	12929.0	0.285812516178696	USDA's Ag Handbook 8 and sequelae)
3	GOLD	Seed		0.001	-0.5388159060803251	--
0	HAFNIUM	Seed		0.04	-1.2472191289246468	--
9	HCN	Seed	120.0	70000.0	2.643816417214011	--
7	HISTIDINE	Seed	5580.0	5837.0	-0.07632026052813823	USDA's Ag Handbook 8 and sequelae)
0	I-DECANOL	Flower				--
12	IODINE	Seed	0.1	0.2	-0.2597992240316176	--
6	IRON	Seed	35.0	60.0	-0.4218525745566078	--
3	ISOLEUCINE	Seed	8660.0	9058.0	-0.18292378487145688	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
75	KAEMPFEROL	Plant				--
0	KILOCALORIES	Seed	5890.0	6161.0	1.01916427962969	USDA's Ag Handbook 8 and sequelae)
0	L-ARABINOSE	Gum				--
0	LANTHANUM	Seed		0.03	-0.1663780661615404	--
7	LAURIC-ACID	Seed	50.0	52.0	-0.5118648018988434	USDA's Ag Handbook 8 and sequelae)
0	LEAD	Seed	0.07	0.4	-0.5912506785488685	--
2	LEUCINE	Seed	15520.0	16234.0	-0.08111693741516701	USDA's Ag Handbook 8 and sequelae)
27	LINOLEIC-ACID	Seed	59500.0	136400.0	0.25085512593374637	--
0	LUTETIUM	Seed		0.01	0.06665021185544043	--
4	LYSINE	Seed	6660.0	6966.0	-0.6952395446381676	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Seed	2297.0	3126.0	0.07107577112422428	USDA's Ag Handbook 8 and sequelae)
14	MANGANESE	Seed	14.0	32.0	-0.26808590036914703	--
1	MERCURY	Seed	0.002	0.1	-0.12385851994600533	--
2	MOLYBDENUM	Seed		0.3	-0.7995775263913576	--
3	MUCILAGE	Seed	20000.0	40000.0	-0.9912333608554845	--
13	MUFA	Seed	339020.0	354615.0	1.7737813622866605	USDA's Ag Handbook 8 and sequelae)
6	MYRISTIC-ACID	Seed	2980.0	3117.0	-0.2551989918928345	USDA's Ag Handbook 8 and sequelae)
39	NIACIN	Seed	26.0	63.0	0.6020932473999766	USDA's Ag Handbook 8 and sequelae)
3	NICKEL	Seed	1.2	1.6	-0.6029506276204398	Furr, A.K., et al. 1979
0	NITROGEN	Seed	3700.0	4315.0	-1.637750213350621	ACTA AGRIC SCAND SUPPL 22: 1980
18	OLEIC-ACID	Seed	231000.0	478170.0	2.9517379446064482	--
9	OXALIC-ACID	Seed		4073.0	0.1557066850368414	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.
25	P-COUMARIC-ACID	Plant				--

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13	PALMITIC-ACID	Seed	19950.0	48980.0	0.31101527680616664	--
2	PALMITOLEIC-ACID	Seed	3040.0	3180.0	-0.222133084115375	USDA's Ag Handbook 8 and sequelae)
11	PANTOTHENIC-ACID	Seed	4.0	5.0	-1.229974436652239	USDA's Ag Handbook 8 and sequelae)
0	PENTOSANS	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	PHENETHYLAMINE	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	PHENYL-ETHYL-ALCOHOL	Flower				--
2	PHENYLACETIC-ACID	Flower				--
7	PHENYLALANINE	Seed	11130.0	11642.0	0.012129243836493612	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Seed	4420.0	8735.0	0.8936305947313082	--
0	PHYTATE	Seed	12800.0	13640.0	0.15343156988647566	--
9	PHYTIC-ACID	Seed		3624.0	-1.0727869286613358	--
2	PHYTOSTEROLS	Seed	1430.0	1490.0	-0.2414843917559553	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Seed	4538.0	8560.0	-0.35265827515917103	USDA's Ag Handbook 8 and sequelae)
0	PROLINE	Seed	12550.0	13127.0	0.351885875016068	USDA's Ag Handbook 8 and sequelae)
0	PROTEIN	Seed	176000.0	350000.0	1.03369415883781	--
2	PRUNASIN	Seed		50.0		--
4	PUFA	Seed	109570.0	114610.0	0.0670238257248141	USDA's Ag Handbook 8 and sequelae)
176	QUERCETIN	Plant				--
44	QUERCITRIN	Leaf				--
1	RAFFINOSE	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

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15	RIBOFLAVIN	Seed	1.6	9.7	2.3668947663857227	USDA's Ag Handbook 8 and sequelae)
0	RUBIDIUM	Seed	5.0	13.0	-0.2755472797858507	--
7	SALICYLATES	Seed	28.0	30.0	-0.17921879008985586	--
0	SAMARIUM	Seed		0.1	2.7937309704812323	--
0	SCANDIUM	Seed		0.003	-0.4130570344929087	--
60	SELENIUM	Seed	0.005	0.06	-0.26318064758950016	--
1	SERINE	Seed	9010.0	9424.0	-0.2204570376465186	USDA's Ag Handbook 8 and sequelae)
0	SFA	Seed	49490.0	51765.0	-0.06981078705942227	USDA's Ag Handbook 8 and sequelae)
4	SILICON	Seed		960.0	0.35189524932197397	--
1	SODIUM	Seed	20.0	147.0	-0.48236594430294255	USDA's Ag Handbook 8 and sequelae)
1	STACHYOSE	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
8	STEARIC-ACID	Seed	10210.0	10680.0	-0.3336703063593613	USDA's Ag Handbook 8 and sequelae)
12	STIGMASTEROL	Sprout Seedling	30.0	33.0	-1.159750227653157	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
0	STRONTIUM	Seed		16.0	-0.3156854650139345	--
14	SUCROSE	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	SUGAR	Seed	50000.0	100000.0	0.28154174114277064	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	SULFUR	Seed		3420.0	0.5006753305909942	--
0	TANTALUM	Seed		0.03	-0.421637021355784	--
31	THIAMIN	Seed	2.2	2.6	-0.9505503301883533	USDA's Ag Handbook 8 and sequelae)
0	THORIUM	Seed		0.2	-0.19611613513818382	--

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4	THREONINE	Seed	7390.0	7730.0	-0.0911446719952071	USDA's Ag Handbook 8 and sequelae)
4	TIN	Seed		0.7	-0.5623156303677991	--
0	TITANIUM	Seed		3.5	-0.5272070213216126	--
1	TRIOLEIN	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
29	TRYPTOPHAN	Seed	3580.0	3745.0	0.14320260827686562	USDA's Ag Handbook 8 and sequelae)
0	TUNGSTEN	Seed		0.1	0.013110315452406329	--
8	TYROSINE	Seed	7050.0	7374.0	-0.085060115370124	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Seed	10280.0	10752.0	-0.155124193658123	USDA's Ag Handbook 8 and sequelae)
16	VANADIUM	Seed		0.02	-0.571891524157244	--
0	VIT-B-6	Seed		1.0	-1.5678501022371887	USDA's Ag Handbook 8 and sequelae)
0	YTTERBIUM	Seed		0.1	-0.2826900050957917	--
77	ZINC	Seed	26.0	37.0	-0.2308705488539249	--