

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Corylus avellana*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	(+)-CATECHIN-7-O-BETA-D-XYLOPYRANOSIDE	Stem Bark		132.0		--
0	(+)-GALLOCATECHIN-(4-ALPHA-8)-CATECHIN	Bark				--
0	(+)-GALLOCATECHIN-(4-ALPHA-8)-CATECHIN	Leaf				--
0	(+)-GALLOCATECHIN-(4-ALPHA-8)-GALLOCATECHIN	Leaf				--
0	3ALPHA,7ALPHA,22ALPHA-TRIHYDROXYSTIGMASTEN-5)	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	5-DEHYDRO-AVENASTEROL	Seed				--
1	AFZELIN	Bark				--
0	ALLANTOIC-ACID	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
32	ALPHA-TOCOPHEROL	Essential Oil				--
32	ALPHA-TOCOPHEROL	Seed		240.0	0.03131666968770319	--
5	ALUMINUM	Seed		2.6	-0.35932234891389175	--
0	ANTIMONY	Seed		0.1	-0.16686477174992723	Furr, A.K., et al. 1979
2	ARSENIC	Seed		0.02	-0.6237689826185465	Furr, A.K., et al. 1979
112	ASCORBIC-ACID	Seed	10.0	22.0	-0.325248971142903	--
112	ASCORBIC-ACID	Leaf				--
0	ASH	Seed	17000.0	50000.0	0.06376115761175082	--
7	ASTRAGALIN	Leaf				--
0	AVENASTEROL	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	BARIUM	Seed		1.1	-0.27774993015642	Furr, A.K., et al. 1979
53	BETA-CAROTENE	Seed	0.0	0.4	-0.404304874541537	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
47	BETA-SITOSTEROL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
47	BETA-SITOSTEROL	Seed				--
13	BETULIN	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	BORON	Seed	15.0	21.0	-0.14759048343211764	--
0	BROMINE	Seed		1.8	-0.46266007694980854	Furr, A.K., et al. 1979
3	CADMIUM	Seed	0.01	0.05	-0.32337109179263585	--
0	CAFFEOYL-FERULOYL-SPERMIDINE	Pollen Or Spore				--
28	CALCIUM	Seed	1300.0	2591.0	-0.2856649891678989	--
0	CALCIUM-OXIDE	Leaf		34848.0	1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	CAMPESTEROL	Seed				--
2	CAMPESTEROL	Plant				J.S. Glasby Dict.Pl's Containing 2ndary Metabolite. 1991.
0	CARBOHYDRATES	Seed	177000.0	229000.0	-1.1700141645389746	--
1	CELLULOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CESIUM	Seed		0.01	-0.6113266630390581	Furr, A.K., et al. 1979
7	CHLORINE	Seed		41.0	-0.6550629512683649	Furr, A.K., et al. 1979
24	CHROMIUM	Seed	0.08	0.7	-0.5805313007769001	--
1	CITROSTADIENOL	Plant				J.S. Glasby Dict.Pl's Containing 2ndary Metabolite. 1991.
2	COBALT	Seed	0.08	0.3	-0.19293256087664387	--
12	COPPER	Seed	13.0	82.0	6.094055057473209	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DIFERULOYL-SPERMIDINE	Pollen Or Spore				--
0	EUROPIUM	Seed		0.03	-0.2771034988835301	Furr, A.K., et al. 1979
0	FAT	Seed	500000.0	650000.0	2.0258911324819775	--
15	FIBER	Seed	31000.0	59000.0	-0.5983625264003838	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FILBERTONE	Seed				--
0	FLUORINE	Seed	1.0	1.2	-0.4019760585601109	--
0	FOENICULIN	Leaf				--
15	FOLACIN	Seed	0.627	0.855	-0.7218063523507081	USDA's Ag Handbook 8 and sequelae)
0	GALACTAN	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	GOLD	Seed		0.003	2.334868926348073	Furr, A.K., et al. 1979
0	GRAMISTEROL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	GUANOSINE	Pollen Or Spore				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HAFNIUM	Seed		0.1	0.6236095644623241	Furr, A.K., et al. 1979
12	IODINE	Seed		0.03	-0.2756317515559883	Furr, A.K., et al. 1979
6	IRON	Seed	30.0	99.0	-0.24064662627574057	--
0	IRON-OXIDE	Leaf		2376.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	IRON-OXIDE(Fe2O3)	Leaf		2376.0	-1.0	--
22	ISOQUERCITRIN	Leaf				--
1	JUGLANIN	Leaf				--
75	KAEMPFEROL	Bark				--
2	KAEMPFEROL-3-RHAMNOSIDE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	KILOCALORIES	Seed	5870.0	6682.0	1.4269194359907762	--
0	LANTHANUM	Seed		0.02	-0.6239177481057772	Furr, A.K., et al. 1979
0	LEAD	Seed		1.7	-0.2121706895146417	Furr, A.K., et al. 1979
0	LIGNOCERYL-ALCOHOL	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
27	LINOLEIC-ACID	Seed	14500.0	18850.0	-0.7563249442396587	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	LUTETIUM	Seed		0.003	-1.64403855910087	Furr, A.K., et al. 1979
65	MAGNESIUM	Seed	1500.0	3156.0	0.0829285744231673	--
14	MANGANESE	Seed	16.0	100.0	0.5789731987465522	--
0	MANNAN	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	MANNINOTRIOSE	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	MELIBIOSE	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	MERCURY	Seed	0.004	0.05	-0.439020148307342	--
2	MOLYBDENUM	Seed	0.2	0.6	-0.7372019026845721	Furr, A.K., et al. 1979
34	MYRICETIN	Bark				--
13	MYRICITRIN	Leaf				--
13	MYRICITRIN	Bark				--
6	MYRISTIC-ACID	Seed	11000.0	14300.0	-0.10880385039068424	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
1	N-NONACOSANE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	N-TRIACOSANE	Pollen Or Spore				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
39	NIACIN	Seed	10.0	54.0	0.33268624080509274	--
3	NICKEL	Seed	1.6	2.0	-0.5264418805369434	--
0	NITROGEN	Seed	23000.0	28000.0	0.3255606206723808	ACTA AGRIC SCAND SUPPL 22: 1980
0	OBTUSIFOLIOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
18	OLEIC-ACID	Essential Oil				--
18	OLEIC-ACID	Seed	425000.0	572650.0	3.7284190182445993	--
13	PALMITIC-ACID	Seed	15500.0	65000.0	0.6415598572144688	--
11	PANTOTHENIC-ACID	Seed	11.0	12.0	-0.4968077273222071	USDA's Ag Handbook 8 and sequelae)
0	PHLOBAPHENE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	PHOSPHORUS	Seed	2900.0	4622.0	-0.1932667435655963	--
0	PHYTATE	Seed	16200.0	17200.0	0.6054727192347685	--
2	PHYTOSTEROLS	Seed		5000.0	0.7234909491444607	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	POTASSIUM	Seed	3500.0	10433.0	-0.18794009587644875	--
1	PROCYANIDIN-B-1	Bark				--
2	PROCYANIDIN-B-3	Bark				--
2	PROCYANIDIN-B-3	Leaf				--
0	PROTEIN	Seed	121000.0	210000.0	-0.21167834408782432	--
176	QUERCETIN	Bark				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	QUERCETIN-3-O-(2"-O-BETA-D-GLUCOPYRANOSYL)-BETA-D-GALACTOPYRANOSIDE	Pollen Or Spore				--
0	QUERCETIN-3-O-GLUCOSYLGALACTOSIDE	Pollen Or Spore				--
44	QUERCITRIN	Leaf				--
44	QUERCITRIN	Bark				--
1	RAFFINOSE	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	RESINIC-ACID	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Seed	0.6	4.4	0.3356475556850082	--
0	RUBIDIUM	Seed	4.0	11.0	-0.4404046266662741	--
7	SALICYLATES	Seed	1.0	2.0	-0.32944709432643793	--
0	SAMARIUM	Seed		0.04	-0.3314596066672648	Furr, A.K., et al. 1979
0	SCANDIUM	Seed		0.004	-0.18931780747591662	Furr, A.K., et al. 1979
60	SELENIUM	Seed	0.01	0.08	-0.2629825743936721	--
4	SILICON	Seed	100.0	900.0	0.25765722617507697	--
0	SILICON-OXIDE	Leaf		3828.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SITOSTEROL	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	SODIUM	Seed	3.3	32.0	-0.6649190286723775	--
1	STACHYOSE	Seed				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
8	STEARIC-ACID	Seed	8000.0	10400.0	-0.33974535556301594	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
12	STIGMASTEROL	Seed				--
12	STIGMASTEROL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	STRONTIUM	Seed		0.8	-0.8176739213807076	Furr, A.K., et al. 1979
14	SUCROSE	Plant				--
14	SUCROSE	Seed	20000.0	50000.0	0.013405722315597973	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	SULFUR	Seed	1500.0	2070.0	-0.26292753330234075	--
0	TANTALUM	Seed		0.02	-0.7378647873726218	Furr, A.K., et al. 1979
2	TARAXEROL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
31	THIAMIN	Seed	1.6	6.0	-0.13936749561071934	--
0	THORIUM	Seed		0.1	-1.0786387432600122	Furr, A.K., et al. 1979
4	TIN	Seed		2.7	-0.2619066033704885	Furr, A.K., et al. 1979
0	TITANIUM	Seed		2.3	-0.5702615578907113	Furr, A.K., et al. 1979
0	TUNGSTEN	Seed		0.02	-1.1405974443593432	Furr, A.K., et al. 1979
1	URANIUM	Seed		0.03	-0.7071067811865477	Furr, A.K., et al. 1979
16	VANADIUM	Seed		0.01	-0.5814082457706883	Furr, A.K., et al. 1979
0	VIT-B-6	Seed		6.0	0.4816271555892012	USDA's Ag Handbook 8 and sequelae)
0	WATER	Seed	50000.0	74000.0	-0.589454514309369	--
0	XYLAN	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	YTTERBIUM	Seed		0.03	-0.3399091868501206	Furr, A.K., et al. 1979

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
77	ZINC	Seed	20.0	39.0	-0.1740901521627498	--