

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Cinnamomum aromaticum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	(+)-CATECHIN	Bark				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
38	(-)-EPICATECHIN	Bark				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
67	1,8-CINEOLE	Bark				Wealth of India.
67	1,8-CINEOLE	Plant				--
0	19-MONOACETYL-CINCASSIOL-A	Plant				--
0	2-HYDRO-ACETOPHENONE	Plant				--
0	2-METHYL-BENZALDEHYDE	Plant				--
0	2-METHYL-BUTYRIC-ACID	Plant				--
0	2-VINYLPHENOL	Plant				--
0	3,4,5-TRIMETHOXYPHENOL-BETA-D-APIOFURANOSYL(1->6)BETA-D-GLUCOPYRANOSIDE	Bark				Wealth of India.
0	3-METHYL-BUTYRIC-ACID	Plant				--
2	3-PHENYL-PROPYL-ACETATE	Plant				--
0	3-PHENYLPROPANAL	Leaf	30.0	75.0	1.0	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
0	3-PHENYLPROPANAL	Bark	39.0	490.0	1.0	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
0	4-ALLYL-PHENOL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	4-ETHYL-GUAIACOL	Plant				--
0	5,7,3-TRIMETHYL-(-)-EPICATECHIN	Bark				Wealth of India.
0	5,7-DIMETHYL-3',4'-DI-O-METHYLENE-(+)-EPICATECHIN	Bark				Wealth of India.
0	ACETOEUGENOL	Plant				--
0	ALCOHOLS	Leaf	125.0	305.0	-0.8254391692690214	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
0	ALCOHOLS	Bark	105.0	1300.0	-1.0	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
0	ALDEHYDES	Leaf	2340.0	5815.0	2.083554219778906	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
0	ALDEHYDES	Bark	1845.0	23040.0	-1.0	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
28	ALPHA-PINENE	Plant				--
28	ALPHA-PINENE	Bark				Wealth of India.
13	ALPHA-TERPINENE	Plant				--
23	ALPHA-TERPINEOL	Bark				--
23	ALPHA-TERPINEOL	Plant				--
0	ANHYDROCINNZEYLANINE	Plant				--
0	ANHYDROCINNZEYLANINE	Bark				Wealth of India.
0	ANHYDROCINNZEYLANOL	Plant				--
0	ANHYDROCINNZEYLANOL	Bark				Wealth of India.
112	ASCORBIC-ACID	Bark		309.0	0.13185661758936892	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	BARIUM	Bark		140.0	1.724114679646174	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	BENZALDEHYDE	Bark				--
20	BENZOIC-ACID	Bark				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
17	BENZYL-BENZOATE	Leaf	1800.0	22500.0	1.0	Wealth of India.
17	BENZYL-BENZOATE	Plant				--
53	BETA-CAROTENE	Bark	1.0	2.0	-0.7112344242846967	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	BETA-CARYOPHYLLENE	Stem Bark				Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
0	BETA-CARYOPHYLLENE	Leaf				Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
13	BETA-PINENE	Bark				Wealth of India.
13	BETA-PINENE	Plant				--
3	BETA-SELINENE	Plant				--
0	BROMINE	Bark		10.0	-0.707106781186548	--
28	CALCIUM	Bark	4900.0	13569.0	-0.48777912900429643	--
4	CALCIUM-OXALATE	Plant				--
9	CAMPHENE	Plant				--
0	CARBOHYDRATES	Bark	798000.0	914000.0	1.2415331037573605	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CASSIOSIDE	Bark				Wealth of India.
3	CHAVICOL	Plant				--
7	CHLORINE	Bark		70.0	-1.5000780985604363	--
24	CHROMIUM	Bark		1.0	-0.48598491785883197	--
0	CINCASSIOL-A	Bark				Wealth of India.
0	CINCASSIOL-A	Plant				--
0	CINCASSIOL-A-GLYCOSIDE	Bark				Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CINCASSIOL-B	Bark				Wealth of India.
0	CINCASSIOL-B	Plant				--
0	CINCASSIOL-B-GLYCOSIDE	Bark				Wealth of India.
0	CINCASSIOL-C-1	Plant				--
0	CINCASSIOL-C-1	Bark				Wealth of India.
0	CINCASSIOL-C-1-GLYCOSIDE	Bark				Wealth of India.
0	CINCASSIOL-C-2	Plant				--
0	CINCASSIOL-C-2-GLYCOSIDE	Bark				Wealth of India.
0	CINCASSIOL-C-3	Plant				--
0	CINCASSIOL-C-3-GLYCOSIDE	Bark				Wealth of India.
0	CINCASSIOL-D-1	Plant				--
0	CINCASSIOL-D-1	Bark				Wealth of India.
0	CINCASSIOL-D-1-GLYCOSIDE	Bark				Wealth of India.
0	CINCASSIOL-D-2	Plant				--
0	CINCASSIOL-D-2-GLYCOSIDE	Bark				Wealth of India.
0	CINCASSIOL-D-3	Plant				--
0	CINCASSIOL-D-3-GLYCOSIDE	Bark				Wealth of India.
1	CINCASSIOL-D-4	Plant				--
1	CINCASSIOL-D-4	Bark				Wealth of India.
0	CINCASSIOL-D-4-GLYCOSIDE	Bark				Wealth of India.
60	CINNAMALDEHYDE	Bark	80.0	20550.0	-1.0	--
18	CINNAMIC-ACID	Bark				Wealth of India.
0	CINNAMIC-ALDEHYDE-CYCLIC-GLYCEROL-1,3-ACETAL	Bark				Wealth of India.
0	CINNAMOSIDE	Bark				Wealth of India.
0	CINNAMTANNIN-A1	Bark				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CINNAMTANNIN-A2	Bark				--
0	CINNAMTANNIN-A3	Bark				--
0	CINNAMTANNIN-A4	Bark				--
0	CINNAMTANNINS	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
3	CINNAMYL-ACETATE	Bark				--
3	CINNAMYL-ACETATE	Plant				--
6	CINNAMYL-ALCOHOL	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
6	CINNAMYL-ALCOHOL	Plant				--
0	CINNZEYLANINE	Bark				Wealth of India.
0	CINNZEYLANINE	Plant				--
0	CINNZEYLANOL	Bark				Wealth of India.
0	CINNZEYLANOL	Plant				--
0	CIS-2-METHOXY-DIHYDROCINNAMIC-ACID	Plant				--
0	CIS-CINNAMIC-ACID	Bark				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	CIS-CINNAMIC-ALDEHYDE-CYCLIC-GLYCEROL-1,3-ACETAL	Bark				Wealth of India.
12	COPPER	Bark	2.0	10.0	1.8708286933869704	--
57	COUMARIN	Bark				--
5	CRESOL	Plant				--
10	CUMINALDEHYDE	Plant				--
10	CUMINALDEHYDE	Bark				Wealth of India.
3	DECANOIC-ACID	Plant				--
0	DIHYDROCINNAMIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	EO	Leaf	3100.0	7700.0	-0.33732858173305946	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	EO	Bark	2000.0	25000.0	1.2183677169545755	--
40	EPICATECHIN	Bark				--
0	EPICATECHIN-(4-BETA->8)5-EPICATECHIN	Bark				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
2	ETHYL-CINNAMATE	Plant				--
0	ETHYL-GUAIACOL	Plant				--
76	EUGENOL	Leaf	2.8	400.0	-0.7691912627599603	--
76	EUGENOL	Bark	1.8	375.0	-0.690064810647921	--
76	EUGENOL	Plant				--
17	FARNESOL	Plant				--
0	FAT	Bark		35000.0	1.1664647650566211	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	FENCHONE	Plant				--
6	FENCHONE	Leaf				Wealth of India.
15	FIBER	Bark		270000.0	1.0512083111257384	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	FURFURAL	Plant				--
11	GAMMA-TERPINENE	Plant				--
13	GERANIAL	Plant				--
18	GUAIACOL	Bark				Wealth of India.
18	GUAIACOL	Plant				--
0	HEPTANOIC-ACID	Plant				--
0	HEX-3-EN-1-OL	Leaf				Wealth of India.
0	HEX-3-EN-1-OL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	HEXANOIC-ACID	Plant				--
3	HEXANOL	Plant				--
3	HEXANOL	Leaf				Wealth of India.
2	HUMULENE	Plant				--
0	HYDROCINNAMALDEHYDE	Bark				--
0	HYDROCINNAMALDEHYDE	Plant				--
0	HYDROXYCINNAMALDEHYDE	Leaf				Wealth of India.
12	IODINE	Bark		1.0	-1.0	--
6	IRON	Bark	25.0	421.0	0.988562022605988	--
16	ISOEUGENOL	Plant				--
0	KETONES	Leaf	25.0	37.0		Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
0	KETONES	Bark				Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
60	LIMONENE	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	LINALOL	Plant				--
53	LINALOOL	Bark	2.5	32.0	-1.1955124013453908	Wealth of India.
53	LINALOOL	Leaf	0.6	1.5	-0.6464051224345422	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
0	LYONIREBINOL-3-ALPHA-O-BETA-D-GLUCOPYRANOSIDE	Bark				Wealth of India.
65	MAGNESIUM	Bark	770.0	1680.0	-0.04773619944219244	--
14	MANGANESE	Bark	167.0	600.0	3.337609687601768	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	MELILOTIC-ACID	Bark				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
1	MERCURY	Bark		60.0	1.7318980549844427	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
1	MERCURY	Plant		60.0	2.8767265147515726	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
4	METHYL-BENZOATE	Plant				--
6	METHYL-CHAVICOL	Plant				--
5	METHYL-CINNAMATE	Plant				--
20	METHYL-EUGENOL	Bark				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	METHYL-FURFURYL	Plant				--
0	METHYL-O-CUMARALDEHYDE	Bark				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	METHYL-OCTANOATE	Plant				--
0	METHYL-SALICYALDEHYDE	Bark				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
21	METHYL-SALICYLATE	Bark				Wealth of India.
21	METHYL-SALICYLATE	Plant				--
3	MUCILAGE	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	NONANAL	Plant				--
2	NONANOIC-ACID	Plant				--
1	O-ANISALDEHYDE	Plant				--
6	O-METHOXYCINNAMALDEHYDE	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	O-METHYL-COUMARALDEHYDE	Bark				Wealth of India.
5	OCTANOIC-ACID	Plant				--
25	OPC	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
16	P-CYMENE	Plant				--
26	PHENOL	Plant				--
0	PHENOLS	Leaf	225.0	560.0	-0.43896235712958537	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
0	PHENOLS	Bark	27.0	335.0	-1.0	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
0	PHENYL-ETHYL-ALCOHOL	Plant				--
0	PHENYLETHYL-ACETATE	Plant				--
0	PHENYLPROPYL-ACETATE	Plant				--
4	PHOSPHORUS	Bark		1000.0	-0.17573390155376353	--
14	POTASSIUM	Bark	3020.0	15500.0	2.05417764366398	--
17	PROCYANIDIN-A-2	Bark				--
1	PROCYANIDIN-B-1	Bark				--
1	PROCYANIDIN-B-2	Bark				--
0	PROCYANIDIN-B-5	Bark				--
0	PROCYANIDIN-B-7	Bark				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROCYANIDIN-B26C-BETA-D-GLUCOPYRANOSIDE	Bark				Wealth of India.
0	PROCYANIDIN-B28-BETA-D-GLUCOPYRANOSIDE	Bark				Wealth of India.
0	PROCYANIDIN-C-1	Bark				--
27	PROCYANIDINS	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	PROTEIN	Bark		43000.0	-1.339513177571366	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Bark	1.0	2.0	-0.373874772923094	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	RUBIDIUM	Bark		30.0	1.2107130728039	--
5	SABINENE	Plant				--
29	SAFROLE	Plant				--
0	SALICYALDEHYDE	Bark				--
34	SALICYLIC-ACID	Plant				--
1	SODIUM	Bark	42.0	287.0	-0.13196665474928823	--
0	STRONTIUM	Bark		50.0	-1.3471506281091268	--
3	STYRENE	Plant				--
14	SULFUR	Bark		1200.0	-0.12803687993289598	--
35	TANNIN	Plant				--
35	TANNIN	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
23	TERPINEN-4-OL	Plant				--
9	TERPINOLENE	Plant				--
31	THIAMIN	Bark		1.0	-0.0940720868383599	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	TITANIUM	Bark		50.0	1.5075567228888183	--
0	TRANS-2-METHOXY-CINNAMALDEHYDE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TRANS-2-METHOXY-CINNAMIC-ACID	Plant				--
7	TRANS-CINNAMALDEHYDE	Leaf	3000.0	5390.0	1.0	--
7	TRANS-CINNAMALDEHYDE	Bark	3000.0	23750.0	-1.0	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
7	TRANS-CINNAMALDEHYDE	Plant				--
0	TRANS-CINNAMIC-ACID	Bark	250.0	2500.0		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	TRANS-CINNAMIC-ACID	Plant				--
77	ZINC	Bark	4.0	10.0	-0.27207069859955574	--