

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Cinnamomum aromaticum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	MANGANESE	Bark	167.0	600.0	3.337609687601768	--
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.
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.
14	POTASSIUM	Bark	3020.0	15500.0	2.05417764366398	--
12	COPPER	Bark	2.0	10.0	1.8708286933869704	--
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.
0	BARIUM	Bark		140.0	1.724114679646174	--
0	TITANIUM	Bark		50.0	1.5075567228888183	--
0	CARBOHYDRATES	Bark	798000.0	914000.0	1.2415331037573605	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	EO	Bark	2000.0	25000.0	1.2183677169545755	--
0	RUBIDIUM	Bark		30.0	1.2107130728039	--
0	FAT	Bark		35000.0	1.1664647650566211	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Bark		270000.0	1.0512083111257384	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
7	TRANS-CINNAMALDEHYDE	Leaf	3000.0	5390.0	1.0	--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
17	BENZYL-BENZOATE	Leaf	1800.0	22500.0	1.0	Wealth of India.
6	IRON	Bark	25.0	421.0	0.988562022605988	--
112	ASCORBIC-ACID	Bark		309.0	0.13185661758936892	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
65	MAGNESIUM	Bark	770.0	1680.0	-0.04773619944219244	--
31	THIAMIN	Bark		1.0	-0.0940720868383599	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
14	SULFUR	Bark		1200.0	-0.12803687993289598	--
1	SODIUM	Bark	42.0	287.0	-0.13196665474928823	--
4	PHOSPHORUS	Bark		1000.0	-0.17573390155376353	--
77	ZINC	Bark	4.0	10.0	-0.27207069859955574	--
0	EO	Leaf	3100.0	7700.0	-0.33732858173305946	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
15	RIBOFLAVIN	Bark	1.0	2.0	-0.373874772923094	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
24	CHROMIUM	Bark		1.0	-0.48598491785883197	--
28	CALCIUM	Bark	4900.0	13569.0	-0.48777912900429643	--
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.
76	EUGENOL	Bark	1.8	375.0	-0.690064810647921	--
0	BROMINE	Bark		10.0	-0.707106781186548	--
53	BETA-CAROTENE	Bark	1.0	2.0	-0.7112344242846967	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
76	EUGENOL	Leaf	2.8	400.0	-0.7691912627599603	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	PHENOLS	Bark	27.0	335.0	-1.0	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
12	IODINE	Bark		1.0	-1.0	--
60	CINNAMALDEHYDE	Bark	80.0	20550.0	-1.0	--
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.
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.
53	LINALOOL	Bark	2.5	32.0	-1.1955124013453908	Wealth of India.
0	PROTEIN	Bark		43000.0	-1.339513177571366	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	STRONTIUM	Bark		50.0	-1.3471506281091268	--
7	CHLORINE	Bark		70.0	-1.5000780985604363	--
6	O-METHOXYCINNAMALDEHYDE	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	CINNZEYLANOL	Bark				Wealth of India.
0	ANHYDROCINNZEYLANINE	Bark				Wealth of India.
0	CINCASSIOL-D-2	Plant				--
0	2-VINYLPHENOL	Plant				--
40	EPICATECHIN	Bark				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	O-ANISALDEHYDE	Plant				--
0	CINNAMTANNIN-A2	Bark				--
2	HEXANOIC-ACID	Plant				--
35	TANNIN	Plant				--
4	METHYL-BENZOATE	Plant				--
0	CINCASSIOL-C-2-GLYCOSIDE	Bark				Wealth of India.
76	EUGENOL	Plant				--
4	CALCIUM-OXALATE	Plant				--
0	O-METHYL-COUMARALDEHYDE	Bark				Wealth of India.
3	MUCILAGE	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	CIS-CINNAMIC-ACID	Bark				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	ANHYDROCINNZEYLANOL	Plant				--
0	CINNZEYLANINE	Bark				Wealth of India.
35	TANNIN	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	CINCASSIOL-D-1	Plant				--
0	2-METHYL-BUTYRIC-ACID	Plant				--
9	CAMPHENE	Plant				--
2	NONANOIC-ACID	Plant				--
0	CINNAMTANNIN-A1	Bark				--
0	HEX-3-EN-1-OL	Plant				--
0	CINCASSIOL-C-1-GLYCOSIDE	Bark				Wealth of India.
0	5,7-DIMETHYL-3',4'-DI-O-METHYLENE-(+)-EPICATECHIN	Bark				Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ETHYL-GUAIACOL	Plant				--
0	LYONIREBINOL-3-ALPHA-O-BETA-D-GLUCOPYRANOSIDE	Bark				Wealth of India.
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.
0	CIS-2-METHOXY-DIHYDROCINNAMIC-ACID	Plant				--
0	ANHYDROCINNZEYLANINE	Plant				--
1	CINCASSIOL-D-4	Bark				Wealth of India.
27	PROCYANIDINS	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
13	BETA-PINENE	Bark				Wealth of India.
0	CINCASSIOL-C-3	Plant				--
0	2-METHYL-BENZALDEHYDE	Plant				--
0	NONANAL	Plant				--
0	CINNAMOSIDE	Bark				Wealth of India.
0	HEPTANOIC-ACID	Plant				--
3	STYRENE	Plant				--
0	CINCASSIOL-B-GLYCOSIDE	Bark				Wealth of India.
0	5,7,3-TRIMETHYL(-)-EPICATECHIN	Bark				Wealth of India.
2	ETHYL-CINNAMATE	Plant				--
28	ALPHA-PINENE	Bark				Wealth of India.
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.
0	CINNZEYLANOL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	ALPHA-TERPINEOL	Plant				--
0	CINCASSIOL-D-1	Bark				Wealth of India.
0	CINCASSIOL-C-2	Plant				--
0	2-HYDRO-ACETOPHENONE	Plant				--
0	TRANS-CINNAMIC-ACID	Plant				--
21	METHYL-SALICYLATE	Plant				--
0	PROCYANIDIN-C-1	Bark				--
0	CINNAMIC-ALDEHYDE-CYCLIC-GLYCEROL-1,3-ACETAL	Bark				Wealth of India.
18	GUAIACOL	Plant				--
0	CINCASSIOL-A-GLYCOSIDE	Bark				Wealth of India.
3	BETA-SELINENE	Plant				--
0	KETONES	Leaf	25.0	37.0		Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
23	ALPHA-TERPINEOL	Bark				--
0	CINNZEYLANINE	Plant				--
13	ALPHA-TERPINENE	Plant				--
0	CINCASSIOL-C-1	Bark				Wealth of India.
0	CINCASSIOL-C-1	Plant				--
0	19-MONOACETYL-CINCASSIOL-A	Plant				--
7	TRANS-CINNAMALDEHYDE	Plant				--
0	METHYL-SALICYALDEHYDE	Bark				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	PROCYANIDIN-B28-BETA-D-GLUCOPYRANOSIDE	Bark				Wealth of India.
18	CINNAMIC-ACID	Bark				Wealth of India.
13	GERANIAL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LINALOL	Plant				--
13	BETA-PINENE	Plant				--
21	METHYL-SALICYLATE	Bark				Wealth of India.
0	KETONES	Bark				Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
3	HEXANOL	Leaf				Wealth of India.
6	CINNAMYL-ALCOHOL	Plant				--
28	ALPHA-PINENE	Plant				--
0	CINCASSIOL-B	Bark				Wealth of India.
0	PHENYLPROPYL-ACETATE	Plant				--
67	1,8-CINEOLE	Plant				--
0	TRANS-2-METHOXY-CINNAMIC-ACID	Plant				--
0	METHYL-OCTANOATE	Plant				--
0	PROCYANIDIN-B26C-BETA-D-GLUCOPYRANOSIDE	Bark				Wealth of India.
0	CASSIOSIDE	Bark				Wealth of India.
11	GAMMA-TERPINENE	Plant				--
0	CINCASSIOL-B	Plant				--
34	SALICYLIC-ACID	Plant				--
16	ISOEUGENOL	Plant				--
0	PROCYANIDIN-B-7	Bark				--
0	3,4,5-TRIMETHOXYPHENOL-BETA-D-APIOFURANOSYL(1->6)BETA-D-GLUCOPYRANOSIDE	Bark				Wealth of India.
0	DIHYDROCINNAMIC-ACID	Plant				--
0	HYDROXYCINNAMALDEHYDE	Leaf				Wealth of India.
0	CINCASSIOL-A	Bark				Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CINNAMYL-ACETATE	Plant				--
0	ACETOEUGENOL	Plant				--
6	CINNAMYL-ALCOHOL	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	PHENYLETHYL-ACETATE	Plant				--
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.
0	TRANS-2-METHOXY-CINNAMALDEHYDE	Plant				--
0	METHYL-O-CUMARALDEHYDE	Bark				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	CINCASSIOL-D-4-GLYCOSIDE	Bark				Wealth of India.
0	BETA-CARYOPHYLLENE	Stem Bark				Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
6	FURFURAL	Plant				--
0	CINCASSIOL-A	Plant				--
0	SALICYALDEHYDE	Bark				--
0	PROCYANIDIN-B-5	Bark				--
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.
3	DECANOIC-ACID	Plant				--
17	BENZYL-BENZOATE	Plant				--
0	HYDROCINNAMALDEHYDE	Bark				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
67	1,8-CINEOLE	Bark				Wealth of India.
0	CINNAMTANNINS	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	4-ETHYL-GUAIACOL	Plant				--
3	CINNAMYL-ACETATE	Bark				--
0	PHENYL-ETHYL-ALCOHOL	Plant				--
0	METHYL-FURFURYL	Plant				--
0	CINCASSIOL-D-3-GLYCOSIDE	Bark				Wealth of India.
0	BETA-CARYOPHYLLENE	Leaf				Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
1	PROCYANIDIN-B-2	Bark				--
10	CUMINALDEHYDE	Plant				--
20	BENZOIC-ACID	Bark				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
6	FENCHONE	Leaf				Wealth of India.
29	SAFROLE	Plant				--
0	CIS-CINNAMIC-ALDEHYDE-CYCLIC-GLYCEROL-1,3-ACETAL	Bark				Wealth of India.
0	HEX-3-EN-1-OL	Leaf				Wealth of India.
0	4-ALLYL-PHENOL	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.
26	PHENOL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	CINCASSIOL-D-2-GLYCOSIDE	Bark				Wealth of India.
6	FENCHONE	Plant				--
0	HYDROCINNAMALDEHYDE	Plant				--
1	PROCYANIDIN-B-1	Bark				--
60	LIMONENE	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
5	CRESOL	Plant				--
24	BENZALDEHYDE	Bark				--
5	SABINENE	Plant				--
18	GUAIACOL	Bark				Wealth of India.
1	CINCASSIOL-D-4	Plant				--
2	3-PHENYL-PROPYL-ACETATE	Plant				--
16	P-CYMENE	Plant				--
0	CINNAMTANNIN-A4	Bark				--
9	TERPINOLENE	Plant				--
5	METHYL-CINNAMATE	Plant				--
0	CINCASSIOL-D-1-GLYCOSIDE	Bark				Wealth of India.
3	CHAVICOL	Plant				--
2	HUMULENE	Plant				--
17	PROCYANIDIN-A-2	Bark				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
25	OPC	Bark				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
57	COUMARIN	Bark				--
10	CUMINALDEHYDE	Bark				Wealth of India.
3	HEXANOL	Plant				--
0	CINCASSIOL-D-3	Plant				--
0	3-METHYL-BUTYRIC-ACID	Plant				--
0	ANHYDROCINNZEYLANOL	Bark				Wealth of India.
5	OCTANOIC-ACID	Plant				--
0	CINNAMTANNIN-A3	Bark				--
23	TERPINEN-4-OL	Plant				--
6	METHYL-CHAVICOL	Plant				--
0	CINCASSIOL-C-3-GLYCOSIDE	Bark				Wealth of India.
17	FARNESOL	Plant				--