

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Cinchona spp

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
38	(-)-EPICATECHIN	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
2	10-METHOXYCINCHONAMINE	Stem	--	--		Wealth of India.
3	3-ALPHA,17-ALPHA-CINCHOPHYLLINE	Leaf	--	--		Wealth of India.
3	3-ALPHA,17-BETA-CINCHOPHYLLINE	Leaf	--	--		Wealth of India.
0	3-EPIQUINAMINE	Leaf	--	--		Wealth of India.
3	ALIZARIN-2-METHYL-ETHER	Tissue Culture	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	ALKALOIDS	Bark	50000	160000	1.591072494711201	
0	ALKALOIDS	Leaf	10000	10000	0.062309440096893175	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ALPHA-QUINOVINE	Bark	5000	10000		
4	ARICINE	Plant	--	--		
0	ASH	Seed	60000	60000	0.3645374572544236	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	BETA-QUINOVINE	Bark	5000	10000		
47	BETA-SITOSTEROL	Bark	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
102	CAFFEIC-ACID	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	CATECHIN-TANNINS	Bark	30000	50000	-0.8626621856275073	
0	CATECHOL-TANNINS	Bark	--	80000		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	CINCHOFULVIC-ACID	Plant	--	--		
0	CINCHOLIC-ACID-BETA-D-QUINOVOSIDE	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	CINCHONAIN-IA	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	CINCHONAIN-IB	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	CINCHONAIN-IC	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	CINCHONAIN-ID	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	CINCHONAIN-IIA	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
3	CINCHONAIN-IIB	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
6	CINCHONIDINE	Bark	12500	80000	1	
7	CINCHONINE	Bark	15000	80000		

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0	CINCHONININE	Bark	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
5	CINCHOPHYLLAMINE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	CINCHOTANNIC-ACID	Plant	--	--		
0	CINCHOTINE	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CONQUINAMINE	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CUPREINE	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CUSCAMIDINE	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CUSCAMINE	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CUSCONIDINE	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CUSCONINE	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

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0	DICINCHONINE	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	DICONQUININE	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	DIGIFERRUGINEOL	Tissue Culture	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
2	DIHYDROQUINIDINE	Plant	--	--		J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	DIHYDROQUININE	Leaf	--	--		Wealth of India.
0	EO	Bark	--	50	-0.960720063548411	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
40	EPICATECHIN	Bark	--	--		
0	EPIQUINAMINE	Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	EPIQUINIDINE	Plant	--	--		
0	EPIQUININE	Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	FAT	Seed	5000	160000	-0.5551141401218788	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	GALLO-TANNIN	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HOMOCINCHONINE	Plant	--	--		
0	HYDROCINCHONIDINE	Plant	--	--		
3	HYDROQUINIDINE	Bark	--	--		
1	HYDROQUININE	Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	ISOCINCHOPHYLLAMINE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	JAVANINE	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	METHYLSUCCIRUBINE	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	NORSOLORINIC-ACID	Bark	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	PARICINE	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	PERICINE	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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0	PHLOBAPHENE	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PROANTHOCYANIDIN-A-2	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	PROCYANIDIN-B-5	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	PROCYANIDIN-C-1	Plant	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	PROTEIN	Seed	180000	180000	-0.4785438804290316	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	PURPURIN-1-METHYL-ETHER	Tissue Culture	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	QUEBRACHOL	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	QUINACIMINE	Plant	--	--		
0	QUINAMINE	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	QUINIC-ACID	Bark	50000	80000		
2	QUINICINE	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	QUINIDINE	Bark	200	40000		
32	QUININE	Bark	8000	40000	-1	
0	QUININIDINE	Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	QUINOLIC-ACID-BETA-6-DESOXY-D-GLUCOSIDE	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	QUINOVIC-ACID	Bark	1000	15000		
0	QUINOVIC-ACID-3-RHAMNOSIDE	Bark	--	--		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	QUINOVIC-ACID-BETA-6-DESOXY-D-GLUCOSIDE	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	QUINOVIC-ACID-BETA-D-GLUCOSIDE	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	QUINOVIC-ACID-BETA-D-QUINOVOSIDE	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	QUINOVIN	Bark	--	--		
0	QUINOVOSE	Bark	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

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0	RESIN	Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
5	STARCH	Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	SUCIRUBINE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	TANNINS	Bark	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	TETRA-O-GALLOYL-BETA-D-GLUCOSE	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	WAX	Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.