

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Erythroxylum coca*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	(-)-DIHYDROCUSCOHYGRINE	Plant				--
0	1-HEXANOL	Leaf	10.0	65.0		--
0	6-PHOSPHOGLUCONATE-DEHYDROGENASE	Plant				--
0	ACONITASE	Plant				--
0	ADENYLATE-KINASE	Plant				--
0	ALANINE-AMINOTRANSFERASE	Plant				--
0	ALCOHOL-DEHYDROGENASE	Plant				--
0	ALKALINE-PHOSPHATASE	Plant				--
0	ALKALOIDS	Leaf	2500.0	22500.0	0.9022605527804302	--
0	ALPHA-TRUXILLINE	Leaf				--
0	ALPHA-TRUXINIC-ACID	Leaf				--
5	ALUMINUM	Leaf	395.0	420.0	-0.32982766242317074	--
112	ASCORBIC-ACID	Leaf	14.0	15.0	-0.4425282881154163	--
0	ASH	Leaf	46000.0	96250.0	-0.3982140712543059	--
0	BARIUM	Leaf	46.0	48.0	-0.9126011710244469	--
0	BENZOYLACGONINE	Leaf				--
0	BENZOYLECGONINE	Leaf				--
0	BENZOYLTROPEIN	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	BENZOYL TROPINE	Leaf				--
9	BETA-AMYRIN	Leaf				--
53	BETA-CAROTENE	Leaf	5.4	7.0	-1.1074545225685273	--
0	BETA-COCAINE	Plant				--
0	BETA-TRUXILLINE	Leaf				--
0	BETA-TRUXINIC-ACID	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	BIOTIN	Leaf	0.8	1.0		--
4	BORON	Leaf	53.0	57.0	-0.11588885207135528	--
102	CAFFEIC-ACID	Leaf				--
28	CALCIUM	Plant				--
0	CARBOHYDRATES	Leaf	424000.0	648000.0	0.28748968649774553	--
0	CEROTIC-ACID	Leaf				--
77	CHLOROGENIC-ACID	Plant				--
24	CHROMIUM	Leaf	3.5	3.8	-0.3219547420727036	--
18	CINNAMIC-ACID	Leaf				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	CINNAMYLCOCAINE	Leaf				--
0	CIS-3-HEXEN-1-OL	Leaf	32.0	210.0	-0.5701096584853289	--
27	COCAINE	Leaf				--
12	COPPER	Leaf	2.2	13.0	-0.40336252034003733	--
0	CUSCOHYGRINE	Leaf				--
7	CYANIDIN	Leaf				--
0	CYTOCHROME-OXIDASE	Plant				--
0	D-ALPHA-TOCOPHEROL	Leaf		30.0		--
0	DIAPHORASE	Plant				--
0	DIHYDROBENZALDEHYDE S	Leaf	75.0	505.0		--
0	DIHYDROCUSCOHYGRINE	Plant				--
0	DIHYDROXYTROPANE	Leaf				--
2	ECGONINE	Leaf				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	ELLAGITANNINS	Leaf				--
0	EO	Leaf	200.0	1300.0	-0.9002713583470162	--
0	ERYTHRODIOLMONOSTEARATE	Fruit				--
0	FAT	Leaf	16000.0	53475.0	-0.05952351488156556	--
15	FIBER	Leaf	80000.0	175000.0	0.1665111514221138	--
0	FRUCTOSE-BIPHOSPHATASE	Plant				--
0	GALACTOSE-DEHYDROGENASE	Plant				--
21	GERANIIN	Leaf	3000.0	3100.0	1.0000000000000002	--
0	GLUCOSE-6-PHOSPHATE-DEHYDROGENASE	Plant				--
0	GLUCOSE-TRIPHOSPHATE-ISOMERASE	Plant				--
0	GLUTAMATE-DEHYDROGENASE	Plant				--
0	GLUTATHIONE-REDUCTASE	Plant				--
0	GLYCERALDEHYDE-3-PHOSPHATE	Plant				--
0	GLYCERATE-2-DEHYDROGENASE	Plant				--
0	HYGRINE	Leaf				--
0	HYGROLINE	Leaf				--
12	IODINE	Leaf		0.05	-1.098035252589462	--
6	IRON	Leaf	66.0	490.0	0.3214432460591831	--
0	ISOCITRATE-DEHYDROGENASE	Plant				--
22	ISOQUERCITRIN	Leaf		100.0	-0.3212607768412582	--
75	KAEMPFEROL	Plant				--
0	KAEMPFEROL-3-O-ARABINOSIDE	Leaf				--
0	KAEMPFEROL-3-O-GALACTOSYLXYLOSIDE	Leaf				--
4	KAEMPFEROL-3-O-GLUCOSIDE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	KAEMPFEROL-3-O-GLUCOSYLXYLOSIDE	Leaf				--
0	KAEMPFEROL-3-O-XYLOSILGALACTOSIDE	Leaf				--
0	KAEMPFEROL-3-O-XYLOSILGLUCOSIDE	Leaf				--
0	KILOCALORIES	Leaf	3050.0	3260.0	0.3899503492154586	--
0	LACTATE-DEHYDROGENASE	Plant				--
1	LEUCOCYANIDIN	Leaf				--
0	LEUCYL-ALANINE-PEPTIDASE	Plant				--
0	LEUCYL-LEUCYL-LEUCINE-PEPTIDASE	Plant				--
65	MAGNESIUM	Leaf	2130.0	5700.0	0.6078740652601706	--
0	MALIC-ENZYME	Plant				--
14	MANGANESE	Leaf	26.0	71.0	-0.34185133361490455	--
21	METHYL-SALICYLATE	Leaf	25.0	175.0	-0.6678268226616914	--
0	METHYLCOCAINE	Leaf				--
0	N,N-DIMETHYL-BENZYLAMINE	Leaf	1.0	6.0		--
0	N-METHYLPYRROLE	Leaf	7.0	48.0		--
39	NIACIN	Leaf	13.0	61.0	-0.4439803651662575	--
21	NICOTINE	Leaf				--
13	PALMITIC-ACID	Leaf				--
0	PALMITYL-BETA-AMYRIN	Leaf				--
11	PANTOTHENIC-ACID	Leaf		7.0	-0.8080998166636008	--
0	PHENYLALANYL-PROLINE-PEPTIDASE	Plant				--
4	PHOSPHORUS	Leaf	3630.0	9740.0	0.8773502628434544	--
2	PHYTOSTEROLS	Plant				--
14	POTASSIUM	Leaf	5000.0	21600.0	-0.38611888817041656	--
27	PROCYANIDINS	Leaf				--
0	PROTEIN	Leaf	187000.0	202000.0	-0.09821388013199214	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	PYRUVATE-KINASE	Plant				--
0	QUERCETIN-3-O-ARABINOSIDE	Leaf				--
0	QUERCETIN-3-O-GALACTOSYLXYLOSIDE	Leaf				--
0	QUERCETIN-3-O-GLUCOSIDE	Leaf				--
0	QUERCETIN-3-O-GLUCOSYLGALACTOSIDE	Leaf				--
0	QUERCETIN-3-O-GLUCOSYLXYLOSIDE	Leaf				--
0	QUERCETIN-3-O-XYLOSYLGALACTOSIDE	Leaf				--
0	QUERCETIN-3-O-XYLOSYLGLUCOSIDE	Leaf				--
44	QUERCITRIN	Leaf				--
15	RIBOFLAVIN	Leaf	15.0	20.0	-0.08411181088201701	--
87	RUTIN	Leaf		5000.0	-0.6941338789633755	--
1	SODIUM	Leaf	400.0	435.0	-0.5700259089415015	--
0	STRONTIUM	Leaf	97.0	104.0	-1.483600664323748	--
31	THIAMIN	Leaf	3.5	8.0	-0.06349209547044472	--
0	TRANS-2-HEXANAL	Leaf	20.0	135.0		--
0	TRIOSE-PHOSPHATE-ISOMERASE	Plant				--
0	TROPACOCAINE	Leaf				--
0	VIT-B-6	Leaf		5.0	-0.9859259447569986	--
0	VIT-B12	Leaf		0.01		--
0	WATER	Leaf	65000.0	800000.0	-0.03810424760004873	--
0	WAX	Leaf				--
0	XANTHINE-DEHYDROGENASE	Plant				--
77	ZINC	Leaf	18.0	29.0	-0.3487945893178303	--