

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Rumex crispus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	(+)-CATECHIN	Plant				--
38	(-)-EPICATECHIN	Plant				--
0	1,2-DIACETIN	Essential Oil		226000.0		--
0	1,8-DIHYDROXY-3-METHYL-9-ANTHRONE	Root		3000.0		--
5	ALUMINUM	Root	100.0	390.0	-0.10322303938927345	--
0	ANTHRAQUINONE	Plant				--
0	ANTHRAQUINONE-GLYCOSIDES	Root	30000.0	40000.0		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.
6	ANTHRAQUINONES	Root		20000.0	-0.31470690913390237	--
112	ASCORBIC-ACID	Root	1042.0	4054.0	1.6714731675349168	--
112	ASCORBIC-ACID	Leaf	300.0	4054.0	-0.06776055551966105	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ASH	Root	39321.0	153000.0	2.4398154255721667	--
0	ASH	Leaf	15000.0	202703.0	1.4773571005914035	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
7	AVICULARIN	Leaf				--
53	BETA-CAROTENE	Root	58.0	225.0	1.0022815883368308	--
53	BETA-CAROTENE	Leaf	10.38	140.0	-0.5282466367528253	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
47	BETA-SITOSTEROL	Root				--
28	CALCIUM	Root	2570.0	10000.0	0.28443978784453666	--
28	CALCIUM	Leaf	150.0	10000.0	-0.576492687191145	--
0	CALCIUM-ACETATE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CALCIUM-MALEATE	Leaf				--
0	CARBOHYDRATES	Root	142378.0	554000.0	-3.5427846998775268	--
0	CARBOHYDRATES	Leaf	41000.0	554000.0	-0.46005613228091163	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CATECHOL-TANNINS	Plant		50000.0		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
24	CHROMIUM	Root		0.0	-0.5599381470689592	--
0	CHRYSOPHANEIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	CHRYSOPHANIC-ACID	Root	67.0	12000.0	1.0	--
6	CHRYSOPHANIC-ACID	Seed		280.0	-1.0	--
6	CHRYSOPHANIC-ACID	Shoot		56.0		--
6	CHRYSOPHANIC-ACID	Rhizome				--
2	CHRYSOPHANIC-ACID-9-ANTHRONE	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	CHRYSOPHANIN	Root				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.
10	CHRYSOPHANOL	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
2	COBALT	Root	1.0	3.5	-0.46924094925342386	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	CYANIDIN	Plant				--
0	DODECAN-1-OL	Essential Oil		92000.0		--
58	EMODIN	Seed		164.0	-1.0	--
58	EMODIN	Root	150.0	2400.0	-0.6938264160823088	--
58	EMODIN	Shoot		38.0		--
58	EMODIN	Rhizome				--
0	EMODIN-8-O-BETA-D-GLUCOSIDE	Fruit				--
0	EMODIN-8-O-BETA-D-GLUCOSIDE	Leaf				--
0	EMODIN-8-O-BETA-D-GLUCOSIDE	Root				--
0	EMODIN-8-O-BETA-D-GLUCOSIDE	Stem				--
2	ERUCIC-ACID	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FAT	Root	10537.0	41000.0	0.6042824195577983	--
0	FAT	Leaf	3000.0	40540.0	-0.3172765151292323	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	FIBER	Root		122000.0	0.7525981978906366	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	FIBER	Leaf	9000.0	121612.0	-0.49369269018055495	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	FIBER(CRUDE)	Root		122000.0	0.3171910897303088	--
0	FIBER(DIETARY)	Root		274000.0	-1.3588904216902657	--
0	FRANGULIN-A	Root				--
1	GALACTOSE	Leaf				--
0	GLUCOFRANGULIN-B	Root				--
7	GLUCOSE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HEX-CIS-3-EN-1-OL	Essential Oil		111000.0		--
30	HYPEROSIDE	Leaf				--
6	IRON	Root	20.0	76.0	-0.3312411280414321	--
0	KILOCALORIES	Shoot	210.0	2840.0	0.007907696313327906	--
0	LAPATINIC-ACID	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
65	MAGNESIUM	Root	822.0	3200.0	0.33972442855294327	--
14	MANGANESE	Root	4.0	14.5	-0.3727298714897241	--
2	NEPODIN	Shoot		116.0		--
2	NEPODIN	Seed		498.0		--
2	NEPODIN	Root		1660.0		--
0	NEPOSIDE	Root				--
39	NIACIN	Root	14.0	54.0	0.10900563169495592	--
39	NIACIN	Leaf	4.0	54.0	-0.5291254900954042	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
9	OXALIC-ACID	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
9	OXALIC-ACID	Leaf	5170.0	6970.0	-0.27188196013037735	--
0	OXYMETHYLANTHRAQUIN ONE	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	PHOSPHORUS	Root	1945.0	7570.0	0.71201932133943	--
4	PHOSPHORUS	Leaf	560.0	7568.0	0.4777305488110486	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	PHYSCION	Seed		41.0	-1.0	--
5	PHYSCION	Root	164.0	4000.0	1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	PHYSCION	Shoot		8.0		--
14	POTASSIUM	Root	3135.0	12200.0	-0.2620507787874568	--
0	PROTEIN	Leaf	15000.0	202703.0	-0.09120077587534875	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	PROTEIN	Root	52171.0	203000.0	0.9498686374714254	--
176	QUERCETIN	Leaf				--
44	QUERCITRIN	Leaf				--
0	RHEOCHRYSIN	Root				--
15	RIBOFLAVIN	Root	3.0	10.8	1.4718133345057491	--
15	RIBOFLAVIN	Leaf	0.8	10.8	-0.127236678560329	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	RUMICIN	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
87	RUTIN	Leaf				--
60	SELENIUM	Root	0.6	2.5	-0.18461140397934853	--
4	SILICON	Root	0.3	1.3	-0.33693296117609356	--
1	SODIUM	Root	20.0	77.0	-0.4769201319309615	--
35	TANNIN	Root	30000.0	60000.0	-0.5127851732786817	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
31	THIAMIN	Root		8.1	0.12681192462614532	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
31	THIAMIN	Leaf	0.6	8.1	-0.04265172097809442	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	THIAMINE	Root	2.0	8.1	0.7786505652930988	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	TIN	Root	6.0	24.0	0.7637747609302243	--
0	WATER	Root		743000.0	-0.1717798205218646	--
0	WATER	Leaf		926000.0	0.5905074771129576	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
77	ZINC	Root				--