

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Rosa canina*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	SODIUM	Fruit	8602.0	46000.0	4.178177551963441	--
112	ASCORBIC-ACID	Flower	3000.0	13000.0	3.167459621576097	--
15	MALIC-ACID	Fruit	15000.0	62200.0	3.0978076490308193	--
0	TANNINS	Leaf	100000.0	260000.0	2.1258983296076868	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FIBER(CRUDE)	Fruit		300000.0	2.0784123475325322	--
32	ALPHA-TOCOPHEROL	Fruit	41.0	204.0	2.0184173490788853	--
12	COPPER	Fruit	1.8	36.0	1.804167966738548	--
15	FIBER	Fruit		300000.0	1.4940177725375425	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
24	PECTIN	Fruit	26180.0	140000.0	1.0319193042672525	--
0	FIBER(DIETARY)	Fruit		440000.0	1.0112511957086416	--
0	ZETA-CAROTENE	Fruit		5.6	1.0	--
28	CALCIUM	Fruit	1515.0	8100.0	0.9792809325023206	--
15	RIBOFLAVIN	Fruit	1.4	7.2	0.46917500296048864	--
0	RUBIDIUM	Fruit	10.0	25.0	0.4496280585963193	ACTA AGRIC SCAND SUPPL 22: 1980
0	PROTEIN	Fruit	24871.0	133000.0	0.3150472907104777	--
0	ASH	Fruit	12716.0	68000.0	0.29355586802071376	--
0	WATER	Fruit		813000.0	0.18446466850693494	--
112	ASCORBIC-ACID	Fruit	1384.0	7400.0	0.17562074072369727	--
0	THIAMINE	Fruit	0.7	3.8	0.16131265929745314	--
0	FLUORINE	Fruit	0.6	1.5	0.14493952346731742	ACTA AGRIC SCAND SUPPL 22: 1980
60	SELENIUM	Fruit	0.4	2.1	0.13456319028872551	--
39	NIACIN	Fruit	13.0	68.0	0.0976135544227392	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LINOLENIC-ACID	Seed	25600.0	34560.0	0.0234698063683047	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CARBOHYDRATES	Fruit	145673.0	779000.0	-0.020757325893939513	--
15	LUTEIN	Fruit		9.2	-0.039865217206940466	--
53	BETA-CAROTENE	Fruit	8.0	42.0	-0.06961538585408149	--
5	STARCH	Fruit	33660.0	180000.0	-0.18166262454346976	--
31	THIAMIN	Fruit		3.8	-0.19619494923301964	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	PHOSPHORUS	Fruit	479.0	2560.0	-0.19925167690850726	--
0	TOCOPHEROLS	Seed		660.0	-0.19992348226933282	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
24	CHROMIUM	Fruit	0.3	1.8	-0.25480859243409615	--
2	COBALT	Fruit	0.4	2.3	-0.2566789211847011	--
0	SUGARS	Fruit	28050.0	150000.0	-0.26503678076002984	--
14	SULFUR	Fruit	400.0	1000.0	-0.28853428975640755	ACTA AGRIC SCAND SUPPL 22: 1980
0	BROMINE	Fruit	2.0	5.0	-0.2890117147420895	ACTA AGRIC SCAND SUPPL 22: 1980
4	TIN	Fruit	4.0	22.0	-0.2908840013040884	--
65	MAGNESIUM	Fruit	260.0	1390.0	-0.3425411364410852	--
4	BORON	Fruit	8.0	22.0	-0.3609622006347462	ACTA AGRIC SCAND SUPPL 22: 1980
14	MANGANESE	Fruit	0.8	4.0	-0.37716201175428304	--
0	KILOCALORIES	Fruit	1839.0	3410.0	-0.3805452107665679	--
0	NITROGEN	Fruit	3600.0	9000.0	-0.39422264054878253	ACTA AGRIC SCAND SUPPL 22: 1980
23	CITRIC-ACID	Fruit		15000.0	-0.4061215512834699	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
27	LINOLEIC-ACID	Seed	43200.0	58320.0	-0.41814206572205515	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	CADMIUM	Fruit	0.03	0.075	-0.4232054687209568	ACTA AGRIC SCAND SUPPL 22: 1980
22	ISOQUERCITRIN	Leaf		20.0	-0.4499489277934074	--
2	MOLYBDENUM	Fruit		0.1	-0.46519775248328327	ACTA AGRIC SCAND SUPPL 22: 1980
0	LEAD	Fruit	0.16	0.4	-0.46664922079159554	ACTA AGRIC SCAND SUPPL 22: 1980
3	NICKEL	Fruit	0.4	1.0	-0.47534056850391404	ACTA AGRIC SCAND SUPPL 22: 1980
7	CHLORINE	Fruit		313.0	-0.47698350585540616	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
0	FAT	Fruit	3553.0	19000.0	-0.49613161810423473	--
0	EO	Seed	2000.0	3000.0	-0.5125744719528077	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	SUCROSE	Fruit	6000.0	32100.0	-0.5192184594313082	--
0	INVERT-SUGARS	Fruit	100000.0	137000.0	-0.5563114819586219	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
44	QUERCITRIN	Leaf		50.0	-0.6114687501155216	--
0	FLAVONOIDS	Fruit	468.0	2500.0	-0.6496151175502278	--
16	LYCOPENE	Fruit		111.0	-0.6744791792345866	--
35	TANNIN	Fruit	3740.0	20000.0	-0.7187277777875456	--
30	HYPEROSIDE	Leaf		30.0	-0.7249676297179588	--
0	ASH	Seed		22000.0	-0.7784124813877332	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	MERCURY	Fruit		0.001	-0.7865389313824043	ACTA AGRIC SCAND SUPPL 22: 1980

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Seed	80000.0	108000.0	-0.829016740479839	--
14	POTASSIUM	Fruit	1547.0	8270.0	-0.8534614567072568	--
2	BETA-CRYPTOXANTHIN	Fruit		17.5	-1.0	--
2	NEOXANTHIN	Fruit		1.5	-1.0	--
0	PROTEIN	Seed	88000.0	114000.0	-1.0656480603796878	--
0	PROTEIN	Leaf				--
23	CITRIC-ACID	Seed				--
0	LEUCOROSINIDIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	3'-EPILUTEIN	Anther				--
0	QUERCETIN-3-O-GLUCOSIDE	Leaf		20.0		--
0	DIMETHYL-TRISULFIDE	Essential Oil				--
1	HISTONE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	FRUCTOSE	Seed				--
4	PROCYANIDIN-B-4	Fruit				--
30	(+)-CATECHIN	Fruit				--
0	LEUCOPAENIDIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	BETULIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ARABINOSE	Seed				--
2	QUERCETIN-3-O-GALACTOSIDE	Leaf		30.0		--
1	RUBIXANTHIN	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	3-METHYL-2-(3-METHYL-BUT-2-ENYL)-THIOPHENE	Essential Oil				--
7	GLUCOSE	Fruit				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	FIXED-OIL	Seed				--
2	PROCYANIDIN-B-3	Fruit				--
0	4,5-EPITHIOCARYOPHYLLENE	Essential Oil				--
0	LEUCOANTHOCYANINS	Fruit				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	LINOLENIC-ACID	Seed Oil				--
0	GALLOCATECHIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	TARAXAXANTHIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	3-(4-METHOXY-PENT-3-ENYL)-THIOPHENE	Essential Oil				--
8	FRUCTOSE	Fruit				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
61	FERULIC-ACID	Tissue Culture				--
1	PROCYANIDIN-B-2	Fruit				--
20	LECITHIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
27	LINOLEIC-ACID	Seed Oil				--
40	EPICATECHIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	3-(4-8-DIMETHYL-NONA-3-7-DIENYL)-THIOPHENE	Essential Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
61	FERULIC-ACID	Stem				--
1	PROCYANIDIN-B-1	Fruit				--
0	CAROTENE	Fruit				--
0	4-5-EPI-THIOHUMULENE	Essential Oil				--
43	CATECHIN	Fruit				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	PYROGALLOTANNINS	Root		15000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	SYRINGIC-ACID	Stem				--
0	EGLANTOSIDE	Root				--
0	PHYTOCHELATIN-A	Tissue Culture				--
0	CATECHIN-TANNINS	Root		15000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
102	CAFFEIC-ACID	Tissue Culture				--
0	1,2-EPI-THIOHUMULENE	Essential Oil				--
77	ZINC	Fruit				--
0	BUTYL-METHYLSULFIDE	Essential Oil				--
0	HEXYL-METHYL-DISULFIDE	Essential Oil				--
13	PALMITIC-ACID	Seed Oil				--
102	CAFFEIC-ACID	Stem				--
5	ALUMINUM	Fruit				--
5	ZEAXANTHIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	KAEMPFEROL-3-O-GLUCOSIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	GLUCOSE	Seed				--
8	STEARIC-ACID	Seed Oil				--
0	4-(4-METHYL-PENT-3-ENYL)1,2-DITHIACYCLOHEX-4-ENE	Essential Oil				--
18	OLEIC-ACID	Seed Oil				--
3	CAPRIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	BICYCLO-(4-1-0)-HEPT-5-EN-2-ONE-4-6-DICARBOXYLIC-ACID	Seed				--
3	XANTHOPHYLL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	XYLOSE	Seed				--
0	KAEMPFEROL-3(P-COUMAROYLGLUCOSIDE)	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	GENTISIC-ACID	Tissue Culture				--
0	N-1-N-5-N-10-TRI-TRANS-4-COUMAROYL-SPERMIDINE	Flower				--
13	P-HYDROXY-BENZOIC-ACID	Tissue Culture				--
16	ACETIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	SUCCINIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	TRANS-VIOLAXANTHIN	Fruit		2.5		--
22	ISOQUERCITRIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	GENTISIC-ACID	Stem				--
43	PROTocatechuic-ACID	Tissue Culture				--
25	P-Coumaric-ACID	Tissue Culture				--
0	ALPHA-MINTSULFIDE	Essential Oil				--
13	P-HYDROXY-BENZOIC-ACID	Stem				--
28	VANILLIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CIS-VIOLAXANTHIN	Fruit		1.8		--
6	IRON	Fruit				--
62	GALLIC-ACID	Tissue Culture				--
43	PROTocatechuic-ACID	Stem				--
0	D-ABSCISSIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
25	P-Coumaric-ACID	Stem				--
0	5-6-EPOXYLUTEIN	Fruit		2.6		--
0	DEHYDROASCORBIC-ACID	Flower				--
0	TRITERPENES	Root		5200.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	QUERCETIN-3-O-RHAMNOSIDE	Leaf		50.0		--
4	SILICON	Fruit				--
24	VANILLIC-ACID	Stem				--
62	GALLIC-ACID	Stem				--