

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Rubus idaeus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
39	NIACIN	Leaf	65.0	382.0	3.4605317922989003	--
15	FIBER	Fruit	30000.0	352280.0	1.9873569833760867	Revised USDA data received 1993.
1	DEXTROSE	Fruit		35000.0	1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	LEVULOSE	Fruit		35000.0	1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	PUFA	Fruit	3130.0	23410.0	0.8363439902360195	Revised USDA data received 1993.
4	TIN	Leaf	4.0	22.0	0.7648770558118653	--
24	PECTIN	Leaf	8450.0	50000.0	0.4345814175326895	--
15	RIBOFLAVIN	Fruit	0.9	6.7	0.36209168106597706	Revised USDA data received 1993.
77	ZINC	Fruit	4.0	37.0	0.2015288171723333	Revised USDA data received 1993.
14	MANGANESE	Fruit	10.0	80.0	0.12397207406698312	Revised USDA data received 1993.
35	TANNIN	Leaf	16900.0	120000.0	0.11560400756237017	--
39	NIACIN	Fruit	9.0	67.0	0.08424528986355267	Revised USDA data received 1993.
11	PANTOTHENIC-ACID	Fruit	2.4	18.0	-0.006662132557618176	Revised USDA data received 1993.
112	ASCORBIC-ACID	Leaf	620.0	3670.0	-0.10339086235718767	--
27	LINOLEIC-ACID	Fruit	2080.0	15555.0	-0.13594241677819272	Revised USDA data received 1993.
53	BETA-CAROTENE	Fruit	0.06	7.0	-0.13726975525121177	--
112	ASCORBIC-ACID	Seed		300.0	-0.15835200323963525	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
112	ASCORBIC-ACID	Fruit	70.0	1870.0	-0.16821802906976244	--
1	SODIUM	Fruit	0.0	1.0	-0.18385595758003662	Revised USDA data received 1993.
60	SELENIUM	Leaf	0.4	2.5	-0.19046045138655818	--

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13	MUFA	Fruit	530.0	3965.0	-0.19628214752627327	Revised USDA data received 1993.
8	STEARIC-ACID	Fruit	130.0	970.0	-0.2148929675183572	Revised USDA data received 1993.
14	MANGANESE	Leaf	25.0	146.0	-0.21716694893797103	--
32	ALPHA-TOCOPHEROL	Fruit	9.0	56.0	-0.2596481602858355	--
2	COBALT	Leaf	0.6	3.4	-0.27867675528926233	--
65	MAGNESIUM	Fruit	175.0	1400.0	-0.33791055544330456	Revised USDA data received 1993.
6	IRON	Fruit	5.0	45.0	-0.34898531116184145	Revised USDA data received 1993.
13	PALMITIC-ACID	Fruit	130.0	970.0	-0.35043476151081787	Revised USDA data received 1993.
5	ALUMINUM	Leaf	66.0	392.0	-0.3598774207421672	--
65	MAGNESIUM	Leaf	539.0	3190.0	-0.361322498820846	--
31	THIAMIN	Fruit	0.3	2.2	-0.4010034158314492	Revised USDA data received 1993.
4	SILICON	Leaf	0.2	1.3	-0.40932526208989356	--
28	CALCIUM	Leaf	2045.0	12100.0	-0.4330046318778217	--
18	OLEIC-ACID	Fruit	490.0	3665.0	-0.4524977786497885	Revised USDA data received 1993.
24	PECTIN	Fruit		14500.0	-0.4580948328310023	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	ALPHA-CAROTENE	Fruit	0.13	0.6	-0.46232287758038665	--
4	PHOSPHORUS	Leaf	395.0	2340.0	-0.4841533669170441	--
15	LUTEIN	Fruit	0.76	4.0	-0.48918352740142235	--
28	CALCIUM	Fruit	220.0	1645.0	-0.5102772768150714	Revised USDA data received 1993.
12	COPPER	Fruit	0.7	6.0	-0.5307153602504487	Revised USDA data received 1993.
24	CHROMIUM	Leaf	0.2	1.3	-0.5356966871657832	--

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4	BORON	Fruit	1.0	13.0	-0.5421662869530862	Betting on Boron, Unpublished draft by J. A. Duke on file at USDA, draft and papers relating to boron percentages. Includes Internat. Z. Vit. Ern. Forschung 43:1973 (boron).
14	POTASSIUM	Fruit	1490.0	11635.0	-0.555747708167046	Revised USDA data received 1993.
93	TOCOPHEROL	Fruit	3.0	12.0	-0.6276472611238401	USDA's Ag Handbook 8 and sequelae)
1	SODIUM	Leaf	13.0	77.0	-0.6336091719663351	--
53	BETA-CAROTENE	Leaf	19.0	114.0	-0.6414752460100303	--
6	IRON	Leaf	17.0	101.0	-0.664569650794051	--
4	PHOSPHORUS	Fruit	110.0	955.0	-0.6867540372783977	Revised USDA data received 1993.
14	POTASSIUM	Leaf	2265.0	13400.0	-0.7482125557868814	--
35	TANNIN	Fruit		6200.0	-0.8518650257063927	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	FIBER	Leaf		82000.0	-0.9835404944355358	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
31	THIAMIN	Leaf		3.4	-1.0221493221185618	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
25	P-COUMARIC-ACID	Juice				--
13	BETA-IONONE	Plant				--
5	SANGUIIN-H-6	Leaf				--
13	P-HYDROXY-BENZOIC-ACID	Plant				--
62	GALLIC-ACID	Leaf				--
19	CYANIDIN-3-O-GLUCOSIDE	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
7	GLUCOSE	Fruit				--

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5	CYANIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
11	MALTOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	SANGUIIN-H-2	Leaf				--
6	FURFURAL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	GENTISIC-ACID	Plant				--
34	SALICYLIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
87	RUTIN	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.
1	CYANIDIN-3-RUTINOSIDE	Plant				--
38	(-)-EPICATECHIN	Plant				--
15	MALIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
34	SALICYLIC-ACID	Plant				--
13	FORMIC-ACID	Fruit				--
23	CITRIC-ACID	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
62	GALLIC-ACID	Plant				--
77	ZINC	Leaf				--

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15	RIBOFLAVIN	Leaf				--
38	(-)-EPICATECHIN	Leaf				--
61	FERULIC-ACID	Plant				--
20	BENZOIC-ACID	Plant				--
22	ISOQUERCITRIN	Fruit				--
8	FRUCTOSE	Fruit				--
1	VALERIANIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	PROPIONIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
176	QUERCETIN	Juice				--
6	CINNAMYL-ALCOHOL	Plant				--
38	(-)-EPICATECHIN	Pericarp				--
2	BETA-CRYPTOXANTHIN	Fruit				--
24	BENZALDEHYDE	Plant				--
43	PROTOCATECHUIC-ACID	Plant				--
61	FERULIC-ACID	Fruit				--
38	(-)-EPICATECHIN	Juice				--
38	(-)-EPICATECHIN	Stem				--
25	P-COUMARIC-ACID	Bark				--
4	PROCYANIDIN-B-4	Stem				--
17	FARNESOL	Plant				--
30	(+)-CATECHIN	Juice				--
43	PROTOCATECHUIC-ACID	Juice				--
5	CAPRYLIC-ACID	Fruit				--
3	XYLOSE	Fruit				--

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25	P-COUMARIC-ACID	Leaf				--
8	LACTIC-ACID	Leaf				--
75	KAEMPFEROL	Juice				--
4	PROCYANIDIN-B-4	Pericarp				--
10	XYLITOL	Fruit		0.4		--
6	ETHYL-ACETATE	Plant				--
24	VANILLIC-ACID	Plant				--
30	(+)-CATECHIN	Stem				--
2	ISOBUTYRIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	PROCYANIDIN-B-4	Plant				--
4	PROCYANIDIN-B-4	Leaf				--
7	SUCCINIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
24	ETHANOL	Plant				--
8	P-CRESOL	Plant				--
102	CAFFEIC-ACID	Fruit				Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
14	SUCROSE	Fruit				--
30	(+)-CATECHIN	Pericarp				--
3	ISOAMYL-ALCOHOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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62	GALLIC-ACID	Juice				Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
1	N-NONACOSANE	Seed Oil				--
7	SUCCINIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
51	ELLAGIC-ACID	Leaf				--
9	PEDUNCULAGIN	Leaf				--
6	BUTYRIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
11	SORBITOL	Fruit				--
30	(+)-CATECHIN	Leaf				--
18	MANNITOL	Fruit				--
2	DIACETYL	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	Plant				--
47	BETA-SITOSTEROL	Seed Oil				--
102	CAFFEIC-ACID	Plant				--
35	GERANIOL	Fruit				--
51	ELLAGIC-ACID	Juice	5.0	50.0		--
16	ACETIC-ACID	Plant				--
27	LINOLEIC-ACID	Seed Oil				--