

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Ribes nigrum

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	(+)-CATECHIN	Fruit	5500.0	13800.0	1.0	--
7	(+)-GALLOCATECHIN	Fruit				--
67	1,8-CINEOLE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	ACETALDEHYDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
16	ACETIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	ACETONE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	ALPHA-LINOLENIC-ACID	Fruit	720.0	3988.0	0.6535435807651567	USDA's Ag Handbook 8 and sequelae)
15	ALPHA-LINOLENIC-ACID	Seed Essent. Oil		120000.0		--
15	ALPHA-LINOLENIC-ACID	Seed Oil				--
28	ALPHA-PINENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	ALPHA-PINENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	ALPHA-TERPINENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
23	ALPHA-TERPINEOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
32	ALPHA-TOCOPHEROL	Fruit	22.0	120.0	0.7254612491691786	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	ALUMINUM	Fruit	3.0	65.0	-0.2046115023876262	ACTA AGRIC SCAND SUPPL 22: 1980
30	ANTHOCYANINS	Fruit	10000.0	40000.0	1.0	--
14	ARGININE	Fruit Juice		35.0		--
2	ARSENIC	Fruit	0.01	0.06	-0.46003213545175	ACTA AGRIC SCAND SUPPL 22: 1980
112	ASCORBIC-ACID	Fruit	150.0	10030.0	0.3391462316019611	--
112	ASCORBIC-ACID	Leaf				--
2	ASPARAGINE	Fruit Juice		87.0		--
3	ASPARTIC-ACID	Fruit Juice		23.0		--
7	ASTRAGALIN	Fruit Juice				--
7	ASTRAGALIN	Leaf				--
24	BENZALDEHYDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	BETA-ALANINE	Fruit Juice		12.0		--
53	BETA-CAROTENE	Fruit	1.0	8.0	-0.1353367732684366	USDA's Ag Handbook 8 and sequelae)
3	BETA-PHELLANDRENE	Bud				--
3	BETA-PHELLANDRENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	BETA-PHELLANDRENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	BETA-PINENE	Fruit		130000.0	3.8670699671319455	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	BORON	Fruit	1.0	64.0	0.4846568688508411	--
2	BUTYRALDEHYDE	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
3	CADMIUM	Fruit	0.001	0.01	-0.6142357150186111	ACTA AGRIC SCAND SUPPL 22: 1980
102	CAFFEIC-ACID	Fruit				--
28	CALCIUM	Fruit	502.0	4720.0	0.1993108709232679	--
9	CAMPHENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
31	CARYOPHYLLENE	Leaf		34.0	-0.6484758776339403	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
31	CARYOPHYLLENE	Fruit		119000.0	3.1497138144144925	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	CELLULOSE	Fruit				--
77	CHLOROGENIC-ACID	Fruit				--
24	CHROMIUM	Fruit	0.01	0.27	-0.46970952066350025	ACTA AGRIC SCAND SUPPL 22: 1980
18	CINNAMIC-ACID	Fruit				--
2	CIS-HEX-3-EN-1-OL	Plant				--
23	CITRIC-ACID	Fruit		35000.0	-0.07872984738636099	--
15	CITRONELLOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	CITRONELLYL-ACETATE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	CITRONELLYL-ACETATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	COBALT	Fruit	0.002	0.027	-0.5318466177584126	ACTA AGRIC SCAND SUPPL 22: 1980
12	COPPER	Fruit	0.6	7.0	-0.45288591601748224	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	CYANIDIN	Plant				--
1	CYANIDIN-3-RUTINOSIDE	Fruit				--
5	CYANIN	Fruit				--
9	DELPHINIDIN	Plant				--
1	DELPHINIDIN-3-GLUCOSIDE	Fruit				--
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
8	DELTA-3-CARENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	DIOSPENOL	Bud				--
6	EPIGALLOCATECHIN	Leaf				--
24	ETHANOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	ETHYL-ACETATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	ETHYL-BENZOATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	ETHYL-BUTYRATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
61	FERULIC-ACID	Fruit				--
15	FIBER	Fruit	24000.0	133000.0	-0.08187450385949027	USDA's Ag Handbook 8 and sequelae)
12	FORMALDEHYDE	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
13	FORMIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	FRUCTOSE	Fruit		36700.0	-0.34464105992956867	--
1	GALLOCATECHIN-(4ALPHA->8)-EPIGALLOCATECHIN	Leaf				--
1	GALLOCATECHIN-(4ALPHA->8)-GALLOCATECHIN	Leaf				--
1	GALLOCATECHIN-(4ALPHA->8)-GALLOCATECHIN-(4ALPHA->8)-GALLOCATECHIN	Leaf				--
20	GAMMA-LINOLENIC-ACID	Seed Essent. Oil		170000.0	0.4877131100041326	--
20	GAMMA-LINOLENIC-ACID	Seed Oil				--
20	GAMMA-LINOLENIC-ACID	Seed	47500.0	57950.0	0.32865774651972557	--
8	GENTISIC-ACID	Fruit				--
35	GERANIOL	Leaf		12.0	-0.22490199642499295	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	GERANIOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	GLUCOSE	Fruit		23500.0	-0.6456924807905674	--
8	GLUTAMIC-ACID	Fruit Juice		210.0		--
5	GLUTAMINE	Fruit Juice		290.0		--
4	HARDWICKIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	HEXANOL	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
2	HUMULENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	HUMULENE	Leaf		4.0	-0.45322095661158035	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	INDOLE-ACETIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Fruit	11.0	108.0	-0.0990812909090042	USDA's Ag Handbook 8 and sequela)
3	ISOLEUCINE	Fruit Juice		28.0		--
3	ISOMENTHONE	Bud				--
22	ISOQUERCITRIN	Leaf				--
22	ISOQUERCITRIN	Fruit Juice				--
22	ISOQUERCITRIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
75	KAEMPFEROL	Fruit Juice				--
75	KAEMPFEROL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	LEUCINE	Fruit Juice		28.0		--
60	LIMONENE	Leaf		7.0	-0.4404202146791783	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
60	LIMONENE	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
53	LINALOOL	Leaf		7.0	-0.6425964378968151	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
27	LINOLEIC-ACID	Fruit	1070.0	5928.0	-0.27176478274180926	USDA's Ag Handbook 8 and sequelae)
27	LINOLEIC-ACID	Seed Essent. Oil		450000.0	-0.38185378196002584	--
27	LINOLEIC-ACID	Seed Oil				--
15	LUTEIN	Fruit	4.4	22.0	1.0661490848102466	--
65	MAGNESIUM	Fruit	220.0	1720.0	-0.18973196351432575	--
14	MANGANESE	Fruit	0.5	27.0	-0.22550301209784723	--
1	MERCURY	Fruit		0.01	-0.3661474335745678	ACTA AGRIC SCAND SUPPL 22: 1980
2	METHANOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	METHYL-BENZOATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	METHYL-BUTYRATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
21	METHYL-SALICYLATE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
21	METHYL-SALICYLATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	MOLYBDENUM	Fruit	0.1	0.6	-0.36498673733922654	ACTA AGRIC SCAND SUPPL 22: 1980
22	MYRCENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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22	MYRCENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
34	MYRICETIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
34	MYRICETIN	Fruit Juice				--
2	NEO-CHLOROGENIC-ACID	Fruit				--
39	NIACIN	Fruit	3.0	17.0	-0.5841679380957736	USDA's Ag Handbook 8 and sequelae)
3	NICKEL	Fruit		0.101	-0.7487450285711046	ACTA AGRIC SCAND SUPPL 22: 1980
4	O-COUMARIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
18	OLEIC-ACID	Seed Essent. Oil		120000.0	-0.7071067811865472	--
18	OLEIC-ACID	Seed Oil				--
18	OLEIC-ACID	Fruit	560.0	3102.0	-0.45683700824558143	USDA's Ag Handbook 8 and sequelae)
9	OXALIC-ACID	Fruit		200.0	-0.29532056034744525	--
25	P-COUMARIC-ACID	Fruit				--
16	P-CYMENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	PALMITIC-ACID	Fruit	200.0	1108.0	-0.34828639336044304	USDA's Ag Handbook 8 and sequelae)
2	PALMITOLEIC-ACID	Fruit	70.0	388.0	-0.27451591357747396	USDA's Ag Handbook 8 and sequelae)
11	PANTOTHENIC-ACID	Fruit	4.0	22.0	0.24848336964903023	USDA's Ag Handbook 8 and sequelae)
24	PECTIN	Fruit				--
4	PHOSPHORUS	Fruit	490.0	3500.0	0.08626372418040051	--
14	POTASSIUM	Fruit	3100.0	21110.0	0.2825398898770841	--
43	PROTocatechuic-ACID	Fruit				--



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	PULEGONE	Bud				--
176	QUERCETIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
176	QUERCETIN	Fruit Juice				--
2	QUERCETIN-3'-GLUCOSIDE	Fruit				--
44	QUERCITRIN	Fruit Juice				--
44	QUERCITRIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	QUINIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Fruit	1.0	3.0	-0.4303249009534089	USDA's Ag Handbook 8 and sequelae)
87	RUTIN	Leaf				--
87	RUTIN	Fruit				--
87	RUTIN	Fruit Juice				--
5	SABINENE	Bud				--
4	SAKURANETIN	Leaf				--
7	SALICYLATES	Fruit	3.0	30.0	-0.2507181157512923	--
60	SELENIUM	Fruit		0.002	-0.38569128420884563	--
1	SERINE	Fruit Juice		60.0		--
4	SILICON	Fruit	10.0	220.0	0.1063310267247835	ACTA AGRIC SCAND SUPPL 22: 1980
1	SODIUM	Fruit	20.0	111.0	-0.17342478111859652	USDA's Ag Handbook 8 and sequelae)
8	STEARIC-ACID	Fruit	70.0	388.0	-0.2534900563026795	USDA's Ag Handbook 8 and sequelae)
14	SUCROSE	Fruit		6200.0	-0.7028560356117206	--
14	SULFUR	Fruit	200.0	1385.0	-0.02058118469316889	ACTA AGRIC SCAND SUPPL 22: 1980
6	SYRINGIC-ACID	Fruit				--

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9	TERPINOLENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	TERPINOLENE	Bud				--
31	THIAMIN	Fruit	1.0	3.0	-0.29859918253223444	USDA's Ag Handbook 8 and sequelae)
4	THREONINE	Fruit Juice		17.0		--
3	VALINE	Fruit Juice		170.0		--
77	ZINC	Fruit	2.0	21.0	-0.27984522139310664	--