

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Ribes nigrum

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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				--
112	ASCORBIC-ACID	Fruit	150.0	10030.0	0.3391462316019611	--
112	ASCORBIC-ACID	Leaf				--
102	CAFFEIC-ACID	Fruit				--
87	RUTIN	Fruit Juice				--
87	RUTIN	Leaf				--
87	RUTIN	Fruit				--
77	ZINC	Fruit	2.0	21.0	-0.27984522139310664	--
77	CHLOROGENIC-ACID	Fruit				--
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.
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.
65	MAGNESIUM	Fruit	220.0	1720.0	-0.18973196351432575	--
61	FERULIC-ACID	Fruit				--
60	SELENIUM	Fruit		0.002	-0.38569128420884563	--
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.
53	BETA-CAROTENE	Fruit	1.0	8.0	-0.1353367732684366	USDA's Ag Handbook 8 and sequelae)

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.
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.
43	PROTOCATECHUIC-ACID	Fruit				--
39	NIACIN	Fruit	3.0	17.0	-0.5841679380957736	USDA's Ag Handbook 8 and sequelae)
35	GERANIOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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.
34	MYRICETIN	Fruit Juice				--
34	MYRICETIN	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	--
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	THIAMIN	Fruit	1.0	3.0	-0.29859918253223444	USDA's Ag Handbook 8 and sequelae)
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.
30	ANTHOCYANINS	Fruit	10000.0	40000.0	1.0	--
30	(+)-CATECHIN	Fruit	5500.0	13800.0	1.0	--
28	CALCIUM	Fruit	502.0	4720.0	0.1993108709232679	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	PULEGONE	Bud				--
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.
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				--
25	P-COUMARIC-ACID	Fruit				--
24	PECTIN	Fruit				--
24	BENZALDEHYDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
24	ETHANOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
24	CHROMIUM	Fruit	0.01	0.27	-0.46970952066350025	ACTA AGRIC SCAND SUPPL 22: 1980
23	CITRIC-ACID	Fruit		35000.0	-0.07872984738636099	--
23	ALPHA-TERPINEOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
22	MYRCENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	MYRCENE	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.
20	GAMMA-LINOLENIC-ACID	Seed	47500.0	57950.0	0.32865774651972557	--
20	GAMMA-LINOLENIC-ACID	Seed Essent. Oil		170000.0	0.4877131100041326	--
20	GAMMA-LINOLENIC-ACID	Seed Oil				--
18	CINNAMIC-ACID	Fruit				--
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)
16	ACETIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
16	P-CYMENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	LUTEIN	Fruit	4.4	22.0	1.0661490848102466	--
15	CITRONELLOL	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	Seed Essent. Oil		120000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	ALPHA-LINOLENIC-ACID	Seed Oil				--
15	RIBOFLAVIN	Fruit	1.0	3.0	-0.4303249009534089	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Fruit	24000.0	133000.0	-0.08187450385949027	USDA's Ag Handbook 8 and sequelae)
15	ALPHA-LINOLENIC-ACID	Fruit	720.0	3988.0	0.6535435807651567	USDA's Ag Handbook 8 and sequelae)
14	SULFUR	Fruit	200.0	1385.0	-0.02058118469316889	ACTA AGRIC SCAND SUPPL 22: 1980
14	POTASSIUM	Fruit	3100.0	21110.0	0.2825398898770841	--
14	SUCROSE	Fruit		6200.0	-0.7028560356117206	--
14	MANGANESE	Fruit	0.5	27.0	-0.22550301209784723	--
14	ARGININE	Fruit Juice		35.0		--
13	PALMITIC-ACID	Fruit	200.0	1108.0	-0.34828639336044304	USDA's Ag Handbook 8 and sequelae)
13	FORMIC-ACID	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.
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.
12	FORMALDEHYDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
12	COPPER	Fruit	0.6	7.0	-0.45288591601748224	--
11	PANTOTHENIC-ACID	Fruit	4.0	22.0	0.24848336964903023	USDA's Ag Handbook 8 and sequelae)
9	TERPINOLENE	Bud				--
9	DELPHINIDIN	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	CAMPHENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	OXALIC-ACID	Fruit		200.0	-0.29532056034744525	--
9	TERPINOLENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	GENTISIC-ACID	Fruit				--
8	FRUCTOSE	Fruit		36700.0	-0.34464105992956867	--
8	GLUTAMIC-ACID	Fruit Juice		210.0		--
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.
8	STEARIC-ACID	Fruit	70.0	388.0	-0.2534900563026795	USDA's Ag Handbook 8 and sequelae)
7	(+)-GALLOLATECHIN	Fruit				--
7	CYANIDIN	Plant				--
7	ASTRAGALIN	Fruit Juice				--
7	ASTRAGALIN	Leaf				--
7	GLUCOSE	Fruit		23500.0	-0.6456924807905674	--
7	SALICYLATES	Fruit	3.0	30.0	-0.2507181157512923	--
6	ACETALDEHYDE	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.
6	SYRINGIC-ACID	Fruit				--
6	EPIGALLOLATECHIN	Leaf				--
6	IRON	Fruit	11.0	108.0	-0.0990812909090042	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	CYANIN	Fruit				--
5	SABINENE	Bud				--
5	ALUMINUM	Fruit	3.0	65.0	-0.2046115023876262	ACTA AGRIC SCAND SUPPL 22: 1980
5	GLUTAMINE	Fruit Juice		290.0		--
4	SAKURANETIN	Leaf				--
4	SILICON	Fruit	10.0	220.0	0.1063310267247835	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.
4	HARDWICKIC-ACID	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.
4	PHOSPHORUS	Fruit	490.0	3500.0	0.08626372418040051	--
4	BORON	Fruit	1.0	64.0	0.4846568688508411	--
4	DIOSPHENOL	Bud				--
4	THREONINE	Fruit Juice		17.0		--
3	ACETONE	Fruit				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.
3	CADMIUM	Fruit	0.001	0.01	-0.6142357150186111	ACTA AGRIC SCAND SUPPL 22: 1980
3	BETA-PHELLANDRENE	Bud				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	HEXANOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	ISOMENTHONE	Bud				--
3	VALINE	Fruit Juice		170.0		--
3	NICKEL	Fruit		0.101	-0.7487450285711046	ACTA AGRIC SCAND SUPPL 22: 1980
3	ASPARTIC-ACID	Fruit Juice		23.0		--
3	ISOLEUCINE	Fruit Juice		28.0		--
3	BETA-PHELLANDRENE	Leaf				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
2	PALMITOLEIC-ACID	Fruit	70.0	388.0	-0.27451591357747396	USDA's Ag Handbook 8 and sequelae)
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.
2	CIS-HEX-3-EN-1-OL	Plant				--
2	HUMULENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	BUTYRALDEHYDE	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		--
2	LEUCINE	Fruit Juice		28.0		--
2	METHYL-BUTYRATE	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	METHANOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	ASPARAGINE	Fruit Juice		87.0		--
2	NEO-CHLOROGENIC-ACID	Fruit				--
2	COBALT	Fruit	0.002	0.027	-0.5318466177584126	ACTA AGRIC SCAND SUPPL 22: 1980
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	ARSENIC	Fruit	0.01	0.06	-0.46003213545175	ACTA AGRIC SCAND SUPPL 22: 1980
2	QUERCETIN-3'-GLUCOSIDE	Fruit				--
2	CITRONELLYL-ACETATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	SODIUM	Fruit	20.0	111.0	-0.17342478111859652	USDA's Ag Handbook 8 and sequelae)
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
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.
1	ETHYL-BUTYRATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	SERINE	Fruit Juice		60.0		--
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	GALLOCATECHIN-(4ALPHA->8)- GALLOCATECHIN-(4ALPHA->8)- GALLOCATECHIN	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	CYANIDIN-3-RUTINOSIDE	Fruit				--
1	GALLOCATECHIN-(4ALPHA->8)-GALLOCATECHIN	Leaf				--
1	CELLULOSE	Fruit				--
1	GALLOCATECHIN-(4ALPHA->8)-EPIGALLOCATECHIN	Leaf				--
1	MERCURY	Fruit		0.01	-0.3661474335745678	ACTA AGRIC SCAND SUPPL 22: 1980
1	QUINIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	DELPHINIDIN-3-GLUCOSIDE	Fruit				--
0	1-PENTEN-3-OL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FAT	Fruit	3150.0	27977.0	-0.42756601418508344	USDA's Ag Handbook 8 and sequelae)
0	MYRICETIN-3-GLUCOSIDE	Leaf				--
0	OCT-1-EN-3-OL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ANTHOCYANOSIDES	Fruit		3000.0	-1.0	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.
0	TERPINENOL-(4)	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	STEARIDONIC ACID	Seed Oil				--
0	KAEMPFEROL-3-GLUCORHAMNOSIDE	Leaf				--
0	DACTYLIFRIC-ACID	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BETA-OCIMENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	1-METHYL-4-ISOPROPYLBENZOL	Plant				--
0	P-MENTH-1,8-DIEN-4-OL	Bud				--
0	TERPINENOL-(4)	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	(+)-HARDWICKIIC ACID	Bud				--
0	CYANIDIN-MONOGLUCOSIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	LINALOL	Leaf		7.0	-0.43845318464692984	--
0	WATER	Fruit	815220.0	824000.0	0.23229369814712902	USDA's Ag Handbook 8 and sequelae)
0	PROTEIN	Leaf		141700.0	-0.6997646435396685	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	NORVALINE	Fruit Juice		17.0		--
0	CYANIDIN-3-O-RHAMNOSIDE	Fruit				--
0	TERPINENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	3-METHYL-BUTANOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	QUERCETIN-3-O-BETA-D-RUTOSIDE	Fruit Juice				--
0	METHYL-N-HEXENOATE	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
0	P-METHYLISOPROPENYL BENZOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	VIT-B-6	Fruit	1.0	4.0	-0.7070236337221133	USDA's Ag Handbook 8 and sequelae)
0	PROTEIN	Fruit	12000.0	88640.0	-0.2796177988591396	USDA's Ag Handbook 8 and sequelae)
0	CIS-BETA-OCIMENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	NITROGEN	Fruit	1800.0	12775.0	-0.12952772042220517	ACTA AGRIC SCAND SUPPL 22: 1980
0	CYANIDIN-3-O-BETA-D-SOPHOROSIDE	Fruit Juice				--
0	TANNINS	Leaf		85000.0	-0.12203041771161947	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	QUERCETIN-3-GLUCOSYLOSIDE	Leaf				--
0	BUTYL-FORMIATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	3-METHYL-2-BUTEN-1-OL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CYANIDIN-3-GLUCOSIDE	Fruit				--
0	P-CYMOL	Leaf		3.0	-0.542974500379653	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	LEAD	Fruit	0.04	0.6	-0.4548229499765365	ACTA AGRIC SCAND SUPPL 22: 1980
0	PROPANOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GALLOCATECHIN	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROANTHOCYANIDIN-POLYMER	Leaf				--
0	BUTYL-ACETATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-PENTANOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CYANIDIN-3-DIGLUCOSIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	P-CYMENOL-(4)	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FLAZIN METHYL ETHER	Fruit		0.34		--
0	TRANS-HEX-2-EN-1-OL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	EO	Leaf		200.0	-0.99702714807754	--
0	PROLINE	Fruit Juice		98.0		--
0	CAR-3-ENE	Bud				--
0	GLYCOLLIC-ACID	Fruit				--
0	DEHYDROXY-METHYL FLAZIN	Fruit		0.38		--
0	FLUORINE	Fruit	0.1	2.8	1.4296307542003595	ACTA AGRIC SCAND SUPPL 22: 1980
0	RUBIDIUM	Fruit	1.0	28.0	0.675517753106432	ACTA AGRIC SCAND SUPPL 22: 1980
0	PROANTHOCYANIDIN-POLYMER	Fruit				--
0	BUTANOL	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
0	ISOAMYL-BUTYRATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-METHYL-PROPANOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	EUCARVONE	Bud				--
0	TRANS-CHLOROGENIC-ACID	Fruit				--
0	EO	Bulb		7500.0	-0.3719457894724333	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	LINOLENIC-ACID	Seed Oil				--
0	SUGARS	Fruit	15800.0	106400.0	-0.4450056891324181	--
0	PELARGONIDIN-3-O-BETA-D-RUTINOSIDE	Fruit Juice				--
0	BROMINE	Fruit		1.0	-0.42563543443835	ACTA AGRIC SCAND SUPPL 22: 1980
0	2-METHYL-3-BUTEN-2-OL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FLAVONOIDS	Leaf		4600.0	-0.7749897228740793	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ISODIOSPHENOL	Bud				--
0	ASH	Fruit	8050.0	61100.0	0.11487797078072934	--
0	TRANS-BETA-OCIMENE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	EMULSIN	Leaf				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
0	CAREN-3	Leaf		38.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	VITAMIN-K-1	Fruit		10.1		--
0	DELPHINIDIN-3-RUTINOSIDE	Fruit				--
0	2-HEXENAL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ISO-AMYBUTYRATE	Fruit				--
0	PENTANOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CARBOHYDRATES	Fruit	153800.0	852050.0	0.3698785649141745	USDA's Ag Handbook 8 and sequelae)
0	STYROL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	STEARIDONIC ACID	Seed Essent. Oil		30000.0		--
0	2-BUTANONE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	DELPHINIDIN-3-O-RHAMNOSIDE	Fruit				--
0	PENTANAL	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-BETA-D-RUTOSIDE	Fruit Juice				--
0	ALPHA-ALANINE	Fruit Juice		210.0		--
0	(+)-SPATHULENOL	Bud				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CALCIUM-PECTATE	Fruit	9000.0	17000.0	-0.4368211543046611	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	DELPHINIDIN-3-DIGLUCOSIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	M-CYMOL	Leaf		3.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-BUTANOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FAT	Seed	250000.0	305000.0	0.20865272626089487	--
0	MYRICETIN-3-O-BETA-D-GLUCOSIDE	Fruit Juice				--
0	OCTEN-1-OL-(3)	Leaf		13.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	DELPHINIDIN-3-O-BETA-D-SOPHOROSIDE	Fruit Juice				--
0	INVERT-SUGARS	Fruit	60000.0	80000.0	-1.049209219859784	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GALLOECATECHIN-(4-ALPHA-8)- GALLOECATECHIN-(4-ALPHA-8)- GALLOECATECHIN- GENTISIC-ACID	Fruit				--
0	PECTINESTERASE	Fruit				--
0	KAEMPFEROL-3-GLUCOXYLOSIDE	Leaf				--