

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Artemisia dracunculus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(E)-2-DIHYDROXY-4-METHOXY-4-METHOXYCINNAMIC-ACID-METHYL-ETHER	Plant				--
0	(E)-ARTEMIDIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	(Z)-ARTEMIDIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	1,2-DIMETHOXY-4-ALLYL-BENZENE	Shoot				--
0	1,8-CINEOL	Leaf Essent. Oil		50000.0	-0.6071044965246614	--
0	1,8-CINEOL	Essential Oil		68800.0	-0.23220200822943154	--
67	1,8-CINEOLE	Shoot	50.0	500.0	-0.12842761628622745	--
0	1-(BUT-2-YNYL)-ISOCOUMARIN	Root		270.0		--
0	1-(BUT-2-YNYL)-ISOCOUMARIN	Shoot		42.0		--
0	2,4,6-TRIMETHOXYCINNAMYL-ALCOHOL	Shoot		11.0		--
0	2-CARBOXYARABINITOL	Leaf		903.0	1.9532419928562945	Moore, B. D., Isidoro, E., Seemann, J. R. 1993. Distribution of 2-Carboxyarabinitol Among Plants. <i>Phytochemistry</i> 34 3: 703-707. Dept. Biochem. Univ. Nevada Reno 89557, USA.
0	2-HEPTANONE	Plant				--
0	2-HYDROXY-4-METHOXY-TRANS-CINNAMIC-ACID	Leaf		143.0		--
0	3',5'-DIHYDROXY-4',7-DIMETHOXY-FLAVANONE	Shoot		16.0		--
0	3,4',5'-TRIHYDROXY-3',7-DIMETHOXY-FLAVANONE	Shoot		312.0		--
0	3,4',5'-TRIHYDROXY-7-METHOXY-FLAVANONE	Shoot		250.0		--
0	3-(BUT-CIS-1-YNYL)-ISOCOUMARIN	Root		1500.0		--
0	3-(BUT-TRANS-1-YNYL)-5-HYDROXY-ISOCOUMARIN	Root		50.0		--
0	3-(BUT-TRANS-1-YNYL)-8-HYDROXY-ISOCOUMARIN	Root		15.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	3-(BUT-TRANS-1-ENYL)-ISOCOUMARIN	Root		100.0		--
0	3-BUT-CIS-1-ENYL-ISOCOUMARIN	Root		1500.0		--
0	3-BUT-TRANS-1-ENYL-5-HYDROXY-ISOCOUMARIN	Root		50.0		--
0	3-BUT-TRANS-1-ENYL-8-HYDROXY-ISOCOUMARIN	Root		15.0		--
0	3-BUT-TRANS-1-ENYL-ISOCOUMARIN	Root		100.0		--
0	4-ALLYL-1,2-DIMETHOXYBENZENE	Shoot Essent. Oil				--
0	4-HYDROXY-BENZOIC-ACID	Leaf		14.0		--
0	4-METHOXYCINNAMALDEHYDE	Plant				--
1	6,7-DIMETHOXYCOUMARIN	Shoot				Wealth of India.
0	7-(ALPHA-D-GALACTOPYRANOSIDE)-P-HYDROXYBENZOATE-ISORHAMNETIN	Shoot				--
3	7-METHOXYCOUMARIN	Shoot				Wealth of India.
0	7-O-METHYLAROMADENDRIN	Shoot		250.0		--
0	9-HYDROXYGERANIOL	Shoot		54.0		--
0	AESCULETIDIN-DIMETHYL-ETHER	Plant				--
0	AESCULETIDIN-DIMETHYL-ETHER	Essential Oil				--
32	AESCULETIN	Shoot				--
3	ALANINE	Plant				Stitt, Paul. Why George should eat broccoli.
1	ALLO-OCIMENE	Essential Oil				--
1	ALLO-OCIMENE	Shoot				--
0	ALPHA-ALANINE	Leaf				--
0	ALPHA-ALANINE	Root				--
3	ALPHA-CEDRENE	Plant				Stitt, Paul. Why George should eat broccoli.
11	ALPHA-PHELLANDRENE	Leaf Essent. Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	ALPHA-PHELLANDRENE	Essential Oil				--
11	ALPHA-PHELLANDRENE	Plant				--
28	ALPHA-PINENE	Shoot	100.0	1000.0	-0.04771656404793942	--
28	ALPHA-PINENE	Essential Oil		10000.0	-0.47207505752571344	--
28	ALPHA-PINENE	Root Essent. Oil				--
28	ALPHA-PINENE	Leaf Essent. Oil				--
0	ALPHA-PROSTAGLANDIN-F-2	Plant				Stitt, Paul. Why George should eat broccoli.
36	ANETHOLE	Essential Oil				--
36	ANETHOLE	Plant				Stitt, Paul. Why George should eat broccoli.
7	ANISALDEHYDE	Essential Oil				--
6	ANISIC-ACID	Essential Oil				--
6	ANISIC-ACID	Shoot	8.0	80.0		--
0	ANISIC-ALCOHOL	Essential Oil				--
0	ANISIC-ALCOHOL	Shoot				--
4	ANISOLE	Shoot	10.0	100.0		--
0	ANNAGENIN	Shoot				--
101	APIGENIN	Plant				Stitt, Paul. Why George should eat broccoli.
14	ARGININE	Root				--
14	ARGININE	Leaf				--
0	ARTEMEDINAL	Shoot				--
0	ARTEMEDINOL	Root				--
0	ARTEMIDIN	Root				--
0	ARTEMIDIN	Shoot				--
0	ARTEMIDIN	Plant				--
0	ARTEMIDINAL	Plant				--
0	ARTEMIDINAL	Shoot				--
0	ARTEMIDINOL	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ARTEMIDINOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ARTEMIDIOL	Root				--
0	ARTEMISIA-KETONE	Leaf Essent. Oil		50000.0		--
0	ARTEMISIA-KETONE	Leaf	50.0	500.0	-1.0	--
0	ARTIMIDINAL	Plant				--
0	ARTIMIDINAL	Shoot				--
0	ARTIMIDINE	Shoot				--
0	ARTIMIDINE	Plant				--
112	ASCORBIC-ACID	Leaf		588.0	-0.3893611896312945	--
2	ASPARAGINE	Leaf				--
2	ASPARAGINE	Root				--
3	ASPARTIC-ACID	Leaf				--
3	ASPARTIC-ACID	Root				--
0	AITEMITIN	Shoot				--
0	BENZYL-DIACETYLENE	Root Essent. Oil				--
0	BENZYL-DIACETYLENE	Root				--
53	BETA-CAROTENE	Leaf	2.0	74.0	-0.8156731064057301	--
2	BETA-MYRCENE	Shoot				--
3	BETA-PHELLANDRENE	Shoot	100.0	1070.0	4.04416490771926	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
13	BETA-PINENE	Shoot				--
13	BETA-PINENE	Leaf Essent. Oil				--
13	BETA-PINENE	Essential Oil				--
47	BETA-SITOSTEROL	Plant				Stitt, Paul. Why George should eat broccoli.
47	BETA-SITOSTEROL	Leaf				--
47	BETA-SITOSTEROL	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BIOQUERCETIN	Shoot				--
6	BUTYRIC-ACID	Plant				--
102	CAFFEIC-ACID	Leaf		7640.0	0.34397264551688544	--
102	CAFFEIC-ACID	Shoot				--
28	CALCIUM	Plant	11390.0	12340.0	-0.1336433279618558	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	CAMPESTEROL	Shoot		30.0	1.0	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
9	CAMPHENE	Essential Oil				--
9	CAMPHENE	Leaf Essent. Oil				--
9	CAMPHENE	Leaf				--
41	CAMPHOR	Essential Oil				--
41	CAMPHOR	Shoot	20.0	200.0	-0.14976698900024374	--
41	CAMPHOR	Leaf Essent. Oil		20000.0	-0.7174269876896714	--
2	CAPILLARIN	Shoot		920.0		--
0	CAPILLENE	Shoot		108.0		--
0	CAPILLENE	Shoot Essent. Oil				--
5	CAPILLIN	Root Essent. Oil				--
5	CAPILLIN	Root				--
0	CAR-3-ENE	Shoot				--
0	CAR-3-ENE	Essential Oil				--
0	CAR-4-ENE	Shoot				--
0	CAR-4-ENE	Leaf Essent. Oil				--
0	CARBOHYDRATES	Plant	502000.0	544000.0	-0.8267191461120625	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Root				--
0	CARBOHYDRATES	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
19	CARVONE	Plant				Stitt, Paul. Why George should eat broccoli.
0	CHAVICOL-METHYL-ETHER	Shoot				--
77	CHLOROGENIC-ACID	Shoot				--
7	CHRYSOERIOL	Plant				Stitt, Paul. Why George should eat broccoli.
0	CINNAMIC-ACID-ACETATE	Shoot				--
0	CINNAMIC-ACID-ACETATE	Essential Oil				--
1	CINNAMIC-ACID-ETHYL-ESTER	Plant				Stitt, Paul. Why George should eat broccoli.
10	CIRSILINEOL	Plant				Stitt, Paul. Why George should eat broccoli.
0	CIRSIMARITRIN	Plant				Stitt, Paul. Why George should eat broccoli.
0	CIS-ALLO-OCIMENE	Shoot Essent. Oil				--
0	CIS-ALLO-OCIMENE	Shoot				--
0	CIS-ALPHA-OCIMENE	Root Essent. Oil				--
0	CIS-ALPHA-OCIMENE	Leaf Essent. Oil				--
0	CIS-BETA-OCIMENE	Leaf				--
0	CIS-BETA-OCIMENE	Essential Oil				--
0	CIS-LINALOOL-OXIDE	Shoot Essent. Oil				--
3	CIS-OCIMENE	Shoot Essent. Oil				--
3	CIS-OCIMENE	Shoot				--
3	CIS-OCIMENE	Essential Oil				--
53	CITRAL	Plant				Stitt, Paul. Why George should eat broccoli.
12	COPPER	Plant		7.0	-0.7770348996753241	USDA's Ag Handbook 8 and sequelae)
9	COSTUNOLIDE	Plant				Stitt, Paul. Why George should eat broccoli.
57	COUMARIN	Plant				--
0	CYCLOHEXENONE	Shoot				--
5	DEHYDROFALCARINDIOL	Root				--
0	DEHYDROFALCARINOL	Root		100.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DEHYDROFALCARINONE	Root				--
0	DEHYDROFALCARINONOL	Root				--
1	DI-O-CAFFEOYL-QUINIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
0	DIACETYLEN	Shoot				--
0	DIACETYLENE	Shoot Essent. Oil				--
2	DIHYDROCOUMARIN	Plant				Stitt, Paul. Why George should eat broccoli.
0	DIPHENYL-GLYOXAL	Shoot				--
0	DIPHENYL-GLYOXAL	Shoot Essent. Oil				--
16	ELEMICIN	Shoot		18.4	1.0	--
16	ELEMICIN	Essential Oil				--
0	ELEMICINE	Shoot	227.0	2770.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	EO	Plant	1000.0	10000.0	0.019853678703787233	--
0	EO	Leaf				--
0	EO	Shoot	1000.0	10000.0	-0.027439288511147023	--
10	ERIODICTYOL	Shoot		75.0	-1.0	--
30	ESCULETIN	Shoot				Wealth of India.
30	ESCULETIN	Plant				--
0	ESCULETIN-DIMETHYL-ETHER	Plant				--
0	ESCULETIN-DIMETHYL-ETHER	Shoot				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
12	ESTRAGOLE	Shoot	100.0	8100.0	1.3723679658914105	--
12	ESTRAGOLE	Essential Oil	100000.0	776300.0	0.4414359501836876	--
12	ESTRAGOLE	Shoot Essent. Oil	750000.0	814000.0		--
12	ESTRAGOLE	Leaf				--
12	ESTRAGOLE	Root Essent. Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
12	ESTRAGOLE	Seed Essent. Oil		650000.0	1.2260811936910665	--
12	ESTRAGOLE	Leaf Essent. Oil		690000.0	0.31496006507489993	--
0	ESTRAGONOSIDE	Shoot				--
76	EUGENOL	Shoot Essent. Oil				--
76	EUGENOL	Essential Oil				--
76	EUGENOL	Shoot				--
0	EUGENOL-4-O-BETA-D-GLUCOSIDE	Shoot		8.0		--
5	EUGENOL-METHYL-ETHER	Shoot Essent. Oil				--
5	EUGENOL-METHYL-ETHER	Shoot				--
5	EUGENOL-METHYL-ETHER	Essential Oil		5300.0	-0.5830399519329805	--
0	FAT	Shoot	72000.0	78000.0	0.5948537047979354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Seed		381000.0	0.6089719113994524	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
61	FERULIC-ACID	Leaf		38.0	2.436082828712669	--
15	FIBER	Plant	74000.0	80000.0	-1.0558199017143965	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	FRUCTOSE	Root				--
8	FRUCTOSE	Leaf				--
22	GABA	Shoot				--
62	GALLIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
22	GAMMA-AMINOBUTYRIC-ACID	Leaf				--
22	GAMMA-AMINOBUTYRIC-ACID	Root				--
11	GAMMA-TERPINENE	Essential Oil		56900.0	-0.04515870825045456	--
11	GAMMA-TERPINENE	Shoot	105.0	1040.0	0.32423748484074105	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
8	GENTISIC-ACID	Leaf		150.0	1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
35	GERANIOL	Shoot Essent. Oil				--
35	GERANIOL	Shoot				--
7	GLUCOSE	Leaf				--
7	GLUCOSE	Root				--
8	GLUTAMIC-ACID	Root				--
8	GLUTAMIC-ACID	Shoot				--
8	GLUTAMIC-ACID	Leaf				--
5	GLUTAMINE	Leaf				--
5	GLUTAMINE	Shoot				--
5	GLUTAMINE	Root				--
12	GLYCINE	Shoot				--
12	GLYCINE	Root				--
12	GLYCINE	Leaf				--
0	HEPTA-4,6-DIYNE-1,3-DIOL	Shoot		22.0		--
12	HERNIARIN	Plant				--
12	HERNIARIN	Leaf				--
12	HERNIARIN	Essential Oil				--
12	HERNIARIN	Shoot				--
8	HESPERETIN	Shoot		75.0		--
0	HEX-CIS-3-EN-1-OL-BETA-D-GLUCOSIDE	Shoot		20.0		--
7	HISPIDULIN	Plant				Stitt, Paul. Why George should eat broccoli.
30	HYPEROSIDE	Shoot				--
0	INULOBIOSE	Root				--
6	IRON	Plant	320.0	350.0	-0.3261303905390022	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
16	ISOEUGENOL	Plant				Stitt, Paul. Why George should eat broccoli.
5	ISOFRAXIDIN	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	ISORHAMNETIN	Plant		7.0		Stitt, Paul. Why George should eat broccoli.
0	ISOTHUJONE	Leaf Essent. Oil		20000.0		--
0	ISOTHUJONE	Shoot	20.0	200.0		--
4	ISOVITEXIN	Plant				Stitt, Paul. Why George should eat broccoli.
0	KAEMPFEROL-3-O-RHAMNOGLUCOSIDE	Plant				--
0	KILOCALORIES	Shoot		2950.0	0.15669724536673543	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	L-PINITOL	Leaf				--
2	LEUCINE	Leaf				--
2	LEUCINE	Root				--
2	LEUCINE	Shoot				--
60	LIMONENE	Essential Oil				--
60	LIMONENE	Shoot	25.0	270.0	-0.19099565776190747	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
60	LIMONENE	Root Essent. Oil				--
0	LINALOL	Shoot				--
53	LINALOOL	Shoot Essent. Oil				--
53	LINALOOL	Leaf Essent. Oil				--
53	LINALOOL	Essential Oil				--
0	LINOLENIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
78	LUTEOLIN	Plant				Stitt, Paul. Why George should eat broccoli.
0	LUTEOLIN-7-O-BETA-D-GLUCOSIDE	Plant				Stitt, Paul. Why George should eat broccoli.
4	LYSINE	Root				--
4	LYSINE	Leaf				--
4	LYSINE	Shoot				--
65	MAGNESIUM	Plant		3470.0	-0.1851096725134359	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	MALTOSE	Leaf	1490.0	4000.0		--
14	MANGANESE	Plant		80.0	-0.1215300451124085	USDA's Ag Handbook 8 and sequelae)
63	MENTHOL	Shoot	50.0	500.0	0.10999266642586884	--
63	MENTHOL	Essential Oil				--
30	MENTHONE	Essential Oil				--
30	MENTHONE	Shoot				--
0	METHYL-AMYL-KETONE	Shoot				--
6	METHYL-CHAVICOL	Plant	172.0	7000.0	0.4586478149797617	--
20	METHYL-EUGENOL	Plant	290.0	2900.0	2.732417724171957	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
15	METHYL-ISOEUGENOL	Shoot				--
15	METHYL-ISOEUGENOL	Essential Oil				--
22	MYRCENE	Shoot	80.0	1000.0	0.799029445609138	--
22	MYRCENE	Essential Oil				--
3	N-HENTRIACONTANE	Shoot				--
56	NARINGENIN	Shoot	44.0	97.0	1.0	--
10	NEROL	Leaf Essent. Oil		670000.0	1.0	--
10	NEROL	Shoot	670.0	6700.0	3.4616488061589012	--
11	NEROLIDOL	Shoot		238.0	0.31301240869615476	--
39	NIACIN	Plant		90.0	0.18616654712916966	USDA's Ag Handbook 8 and sequelae)
6	O-CRESOL	Plant				Stitt, Paul. Why George should eat broccoli.
2	OCIMENE	Essential Oil				--
2	OCIMENE	Shoot Essent. Oil				--
18	OLEIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
25	P-COUMARIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
8	P-CRESOL	Plant				Stitt, Paul. Why George should eat broccoli.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
16	P-CYMENE	Shoot				--
16	P-CYMENE	Essential Oil		24700.0	-0.4294696002319138	--
13	P-HYDROXY-BENZOIC-ACID	Leaf		14.0	-0.6391623440007327	--
0	P-HYDROXYCOUMARIC-ACID	Leaf		4.0		--
0	P-MENTHA-1,8-DIENE	Shoot				--
0	P-MENTHA-1,8-DIENE	Shoot Essent. Oil				--
2	P-METHOXYCINNAMALDEHYDE	Seed	45.0	450.0		--
2	P-METHOXYCINNAMALDEHYDE	Essential Oil				--
2	P-METHOXYCINNAMALDEHYDE	Leaf Essent. Oil	5000.0	45000.0		--
2	P-METHOXYCINNAMALDEHYDE	Seed Essent. Oil		45000.0		--
2	P-METHOXYCINNAMALDEHYDE	Shoot Essent. Oil		6000.0		--
2	P-METHOXYCINNAMALDEHYDE	Shoot	5.0	450.0		--
0	P-METHOXYCINNAMYL-ALCOHOL	Essential Oil				--
0	P-METHOXYCINNAMYL-ALCOHOL	Shoot				--
0	PATULETIN-3-O-GLUCOSIDE	Plant				--
0	PATULETIN-3-O-RHAMNOGLUCOSIDE	Plant		120.0		--
2	PECTOLINARIGENIN	Plant				Stitt, Paul. Why George should eat broccoli.
0	PEROXIDASE	Leaf				--
0	PEROXIDASE	Plant				--
4	PELLANDRENE	Shoot Essent. Oil				--
26	PHENOL	Plant				Stitt, Paul. Why George should eat broccoli.
0	PHENOLASE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	PHENYLALANINE	Root				--
8	PHLOROGLUCINOL	Plant				Stitt, Paul. Why George should eat broccoli.
4	PHOSPHORUS	Plant	3130.0	3391.0	-0.09498138262187504	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	PHYTOSTEROLS	Plant	89.0	810.0	-0.5460622792095707	--
9	PINOCEMBRIN	Shoot				--
0	POLYACETYLENES	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	POLYPHENOL-OXIDASE	Plant				--
0	POLYPHENOL-OXIDASE	Leaf				--
14	POTASSIUM	Plant	30020.0	32719.0	0.7616746965990568	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROLINE	Root				--
0	PROLINE	Leaf				--
0	PROTEIN	Shoot	228000.0	247000.0	0.32677337755744273	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Plant	228000.0	247009.0	0.6026897753752032	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Seed		315000.0	0.7223510331064014	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
43	PROTOCATECHUIC-ACID	Leaf	3.0	17.0	-0.8777778451667783	--
176	QUERCETIN	Shoot				--
2	QUERCETIN-3'-METHYLETHER	Plant				Stitt, Paul. Why George should eat broccoli.
0	QUERCETIN-3-(BETA-D-GALACTOFURANOSYL-6-BETA-L-RHAMNOPYRANOSIDE)	Shoot				--
0	QUERCETIN-3-(D-GALACTOFURANOSYL-6-BETA-L-RHAMNOPYRANOSIDE)	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	QUERCETIN-3-(D-GLUCOFURANOSYL-6-BETA-L-RHAMNOPYRANOSIDE	Shoot				--
0	QUERCETIN-3-GLYCO-GALACTOSIDE	Plant				--
2	QUERCETIN-3-O-BETA-D-GLUCOSIDE	Plant				Stitt, Paul. Why George should eat broccoli.
18	RHAMNETIN	Plant				Stitt, Paul. Why George should eat broccoli.
0	RHAMNOSE	Leaf				--
15	RIBOFLAVIN	Plant	13.0	14.0	0.18036366581905444	USDA's Ag Handbook 8 and sequelae)
0	RIBOSE	Leaf				--
57	ROSMARINIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
87	RUTIN	Shoot	100.0	560.0	-0.5313186017977898	--
87	RUTIN	Leaf				--
5	SABINENE	Shoot	370.0	3700.0	3.643649749310963	--
7	SALICYLATES	Leaf	35.0	350.0	0.1847218753406517	--
34	SALICYLIC-ACID	Leaf		3.0	-1.0	--
2	SCOPARIN	Leaf				--
22	SCOPARONE	Shoot		8.0		--
44	SCOPOLETIN	Plant				--
44	SCOPOLETIN	Leaf				--
44	SCOPOLETIN	Shoot				--
1	SERINE	Root				--
1	SERINE	Leaf				--
1	SERINE	Shoot				--
9	SINAPIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
1	SODIUM	Plant		620.0	-0.2697571581103508	--
0	SPATHULENOL	Shoot		108.0	0.18161421122163604	--
0	SPATHULENOL	Shoot Essent. Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	SQUALENE	Plant				Stitt, Paul. Why George should eat broccoli.
12	STIGMASTEROL	Plant				Stitt, Paul. Why George should eat broccoli.
14	SUCROSE	Root				--
14	SUCROSE	Leaf				--
6	SYRINGIC-ACID	Leaf		8.0		--
35	TANNIN	Plant				--
0	TANNINS	Leaf				--
0	TANNINS	Shoot				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
31	THIAMIN	Plant	2.0	3.0	-0.3909910138264638	--
17	THUJONE	Shoot	60.0	600.0	1.3555286119343917	--
17	THUJONE	Leaf Essent. Oil		60000.0		--
0	TRANS-ALLO-OCIMENE	Shoot Essent. Oil				--
0	TRANS-ALLO-OCIMENE	Shoot				--
0	TRANS-ALPHA-OCIMENE	Root Essent. Oil				--
8	TRANS-ANETHOLE	Shoot	100.0	10000.0	1.0	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TRANS-BETA-OCIMENE	Leaf				--
0	TRANS-BETA-OCIMENE	Essential Oil				--
0	TRANS-ISOELEMICIN	Essential Oil				--
0	TRANS-ISOELEMICINE	Shoot				--
0	TRANS-LINALOOL-OXIDE	Shoot Essent. Oil				--
0	TRANS-METHYL-ETHER-ISOEUGENOL	Essential Oil				--
0	TRANS-METHYL-ETHER-ISOEUGENOL	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TRANS-METHYL-ISOEUGENOL	Shoot				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	TRANS-OCIMENE	Shoot Essent. Oil				--
0	TRANS-OCIMENE	Essential Oil				--
0	TRANS-OCIMENE	Shoot				--
0	TRANS-OCIMENE	Leaf Essent. Oil				--
8	TYROSINE	Root				--
8	TYROSINE	Leaf				--
8	TYROSINE	Shoot				--
22	UMBELLIFERONE	Plant				Stitt, Paul. Why George should eat broccoli.
0	VALDINOL-F	Shoot		12.0		--
3	VALINE	Root				--
3	VALINE	Leaf				--
24	VANILLIC-ACID	Leaf		18.0	0.8117220703723087	--
3	XYLOSE	Leaf				--
3	XYLOSE	Root				--
77	ZINC	Plant				--