

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Ruscus aculeatus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ACULEOSIDE A	Bulb		50.0		--
5	ALUMINUM	Root	396.0	1310.0	0.3904092592664762	--
112	ASCORBIC-ACID	Root	77.0	256.0	-0.4996325933803395	--
0	ASH	Root	19026.0	63000.0	-0.13017850342957962	--
0	BEHNIC ACID	Root				--
53	BETA-CAROTENE	Root	4.0	13.0	-0.35329711139035286	--
47	BETA-SITOSTEROL	Root				--
28	CALCIUM	Root	2190.0	7250.0	-0.01673483329644233	--
2	CAMPESTEROL	Root				--
24	CHROMIUM	Root	0.8	2.5	-0.06165886683144246	--
6	CHRYSOPHANIC-ACID	Plant				Lawrence Review of Natural Products, Sep-91.
6	CHRYSOPHANIC-ACID	Root				--
2	COBALT	Root	4.0	12.8	-0.26738395146464233	--
0	DEGLUCO- DERHAMNORUSCIN	Plant				--
0	DEGLUCO-RUSCIN	Plant				--
0	DEGLUCONEORUSCIN	Plant				--
0	DEGLUCORUSCOSIDE	Plant				--
0	DEGLUCORUSCOSIDE	Shoot				--
0	DEGLYCORUSCOSIDE	Plant				--
0	EO	Plant	1000.0	3000.0	-0.5121339088100166	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	EO	Root	302.0	3000.0	-0.5134844766142346	--
0	EURAPONE	Plant				--
0	EURAPONE	Root				--
0	FAT	Root	6040.0	20000.0	-0.09603792277020924	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	FIBER	Root		108000.0	0.4416814727406353	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	FIBER(CRUDE)	Root		108000.0	-0.09689116888867916	--
0	FIBER(DIETARY)	Root		410000.0	0.12637212876798118	--
4	GLYCOLIC-ACID	Rhizome				--
4	GLYCOLIC-ACID	Root				--
0	HEXACOSANOIC-ACID	Root				--
6	IRON	Root	50.0	164.0	-0.20339556520131555	--
22	ISOQUERCITRIN	Shoot				--
0	ISORUSCOGENIN	Rhizome				--
0	ISOSCHAFTOSIDE	Shoot				--
0	KILOCALORIES	Root		2950.0	-0.9172350172485528	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	LIGNOCERIC-ACID	Root				--
65	MAGNESIUM	Root	707.0	2340.0	-0.11788559715647026	--
14	MANGANESE	Root	2.0	7.0	-0.4622868527944253	--
3	MUCILAGE	Root	30200.0	150000.0	0.018317587494466638	--
3	MUCILAGE	Plant	100000.0	150000.0	0.07592896712610823	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	NEORUSCOGENIN	Root				--
4	NEORUSCOGENIN	Rhizome				--
4	NEORUSCOGENIN	Fruit				--
39	NIACIN	Root	25.0	81.4	0.9031205142939536	--
0	NICOTIFLORIN	Shoot				--
0	OCTACOSANOIC-ACID	Root				--
0	ORIENTIN-O-BETA-D-GLUCOSIDE	Shoot				--
0	PENTACOSANOIC-ACID	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Root	504.0	1670.0	-0.32466562924608017	--
14	POTASSIUM	Root	2821.0	9340.0	-0.4714697906632257	--
0	PROTEIN	Root	25368.0	84000.0	-0.3864431578686748	--
0	RESIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Root	0.4	1.4	-0.5853034374311851	--
0	RUSCIN	Plant				--
0	RUSCODIBENZOFURAN	Root				--
0	RUSCODIBENZOFURAN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
8	RUSCOGENIN	Leaf				--
8	RUSCOGENIN	Rhizome				--
8	RUSCOGENIN	Shoot	300.0	400.0		--
8	RUSCOGENIN	Root		500.0		--
8	RUSCOGENIN	Bulb		4600.0		--
8	RUSCOGENIN	Fruit				--
8	RUSCOGENIN	Plant				--
0	RUSCONIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	RUSCOSIDE	Plant				--
87	RUTIN	Plant	300.0	400.0	-0.675753113561928	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
87	RUTIN	Root	91.0	400.0		--
87	RUTIN	Shoot				--
0	SAPONIN	Plant	4000.0	4600.0	-1.0009469528825339	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
5	SAPONINS	Root	1208.0	4600.0	-0.9502385684870053	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	SAPONINS	Plant				--
1	SCHAFTOSIDE	Shoot				--
60	SELENIUM	Root	0.4	1.4	-0.26286169402261483	--
4	SILICON	Root	7.0	22.4	-0.2400060575988713	--
0	SITOSTEROL	Root				Lawrence Review of Natural Products, Sep-91.
1	SODIUM	Root	85.0	280.0	-0.3824002869842817	--
5	STARCH	Root	36240.0	120000.0	-0.818804895582863	--
0	STEROID SAPONINS	Root				--
12	STIGMASTEROL	Root				--
14	SUCROSE	Root		36000.0	-0.8957166035099636	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SUGARS	Root	24160.0	80000.0	-0.231158975572398	--
0	TETRACOSANOIC-ACID	Root				Lawrence Review of Natural Products, Sep-91.
31	THIAMIN	Root		8.3	0.14460344837966446	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	THIAMINE	Root	0.2	0.5	-0.7667886415563157	--
4	TIN	Root		21.0	0.4588256824495934	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	TRICOSANOIC-ACID	Root				--
18	VITEXIN	Shoot				--
1	VITEXIN-2"-O-ALPHA-L-RHAMNOSIDE	Shoot				--
0	VITEXIN-2'-O-BETA-D-GLUCOSIDE	Shoot				--
0	WATER	Plant		698000.0	-0.3122209874871182	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	WATER	Root		698000.0	-0.46631642813155516	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
77	ZINC	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
77	ZINC	Root	0.6	2.1	-0.9669709967498292	--