

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	WATER	Root		698000.0	-0.46631642813155516	--
0	WATER	Plant		698000.0	-0.3122209874871182	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	FIBER(DIETARY)	Root		410000.0	0.12637212876798118	--
3	MUCILAGE	Plant	100000.0	150000.0	0.07592896712610823	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
3	MUCILAGE	Root	30200.0	150000.0	0.018317587494466638	--
5	STARCH	Root	36240.0	120000.0	-0.818804895582863	--
0	FIBER(CRUDE)	Root		108000.0	-0.09689116888867916	--
15	FIBER	Root		108000.0	0.4416814727406353	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	PROTEIN	Root	25368.0	84000.0	-0.3864431578686748	--
0	SUGARS	Root	24160.0	80000.0	-0.231158975572398	--
0	ASH	Root	19026.0	63000.0	-0.13017850342957962	--
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	FAT	Root	6040.0	20000.0	-0.09603792277020924	--
14	POTASSIUM	Root	2821.0	9340.0	-0.4714697906632257	--
28	CALCIUM	Root	2190.0	7250.0	-0.01673483329644233	--
5	SAPONINS	Root	1208.0	4600.0	-0.9502385684870053	--
8	RUSCOGENIN	Bulb		4600.0		--
0	SAPONIN	Plant	4000.0	4600.0	-1.0009469528825339	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
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	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	KILOCALORIES	Root		2950.0	-0.9172350172485528	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
65	MAGNESIUM	Root	707.0	2340.0	-0.11788559715647026	--
4	PHOSPHORUS	Root	504.0	1670.0	-0.32466562924608017	--
5	ALUMINUM	Root	396.0	1310.0	0.3904092592664762	--
8	RUSCOGENIN	Root		500.0		--
87	RUTIN	Plant	300.0	400.0	-0.675753113561928	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
8	RUSCOGENIN	Shoot	300.0	400.0		--
87	RUTIN	Root	91.0	400.0		--
1	SODIUM	Root	85.0	280.0	-0.3824002869842817	--
112	ASCORBIC-ACID	Root	77.0	256.0	-0.4996325933803395	--
6	IRON	Root	50.0	164.0	-0.20339556520131555	--
39	NIACIN	Root	25.0	81.4	0.9031205142939536	--
0	ACULEOSIDE A	Bulb		50.0		--
4	SILICON	Root	7.0	22.4	-0.2400060575988713	--
4	TIN	Root		21.0	0.4588256824495934	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
53	BETA-CAROTENE	Root	4.0	13.0	-0.35329711139035286	--
2	COBALT	Root	4.0	12.8	-0.26738395146464233	--
31	THIAMIN	Root		8.3	0.14460344837966446	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
14	MANGANESE	Root	2.0	7.0	-0.4622868527944253	--
24	CHROMIUM	Root	0.8	2.5	-0.06165886683144246	--
77	ZINC	Root	0.6	2.1	-0.9669709967498292	--
15	RIBOFLAVIN	Root	0.4	1.4	-0.5853034374311851	--
60	SELENIUM	Root	0.4	1.4	-0.26286169402261483	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	THIAMINE	Root	0.2	0.5	-0.7667886415563157	--
0	ORIENTIN-O-BETA-D-GLUCOSIDE	Shoot				--
0	EURAPONE	Plant				--
0	RUSCODIBENZOFURAN	Root				--
0	ISORUSCOGENIN	Rhizome				--
1	VITEXIN-2"-O-ALPHA-L-RHAMNOSIDE	Shoot				--
0	OCTACOSANOIC-ACID	Root				--
4	GLYCOLIC-ACID	Rhizome				--
8	RUSCOGENIN	Leaf				--
0	RUSCOSIDE	Plant				--
18	VITEXIN	Shoot				--
0	NICOTIFLORIN	Shoot				--
4	NEORUSCOGENIN	Root				--
0	DEGLYCORUSCOSIDE	Plant				--
77	ZINC	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	RUSCONIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	TRICOSANOIC-ACID	Root				--
1	LIGNOCERIC-ACID	Root				--
0	STEROID SAPONINS	Root				--
8	RUSCOGENIN	Plant				--
12	STIGMASTEROL	Root				--
0	HEXACOSANOIC-ACID	Root				--
47	BETA-SITOSTEROL	Root				--
6	CHRYSOPHANIC-ACID	Plant				Lawrence Review of Natural Products, Sep-91.

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0	RUSCODIBENZOFURAN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
2	CAMPESTEROL	Root				--
5	SAPONINS	Plant				--
0	ISOSCHAFTOSIDE	Shoot				--
8	RUSCOGENIN	Fruit				--
0	RUSCIN	Plant				--
0	BEHNIC ACID	Root				--
0	TETRACOSANOIC-ACID	Root				Lawrence Review of Natural Products, Sep-91.
1	SCHAFTOSIDE	Shoot				--
0	DEGLUCO-RUSCIN	Plant				--
0	SITOSTEROL	Root				Lawrence Review of Natural Products, Sep-91.
87	RUTIN	Shoot				--
0	DEGLUCO-DERHAMNORUSCIN	Plant				--
0	RESIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	EURAPONE	Root				--
4	GLYCOLIC-ACID	Root				--
0	DEGLUCONEORUSCIN	Plant				--
0	DEGLUCORUSCOSIDE	Plant				--
22	ISOQUERCITRIN	Shoot				--
4	NEORUSCOGENIN	Rhizome				--
6	CHRYSOPHANIC-ACID	Root				--
0	DEGLUCORUSCOSIDE	Shoot				--
0	PENTACOSANOIC-ACID	Root				--
8	RUSCOGENIN	Rhizome				--

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4	NEORUSCOGENIN	Fruit				--
0	VITEXIN-2'-O-BETA-D-GLUCOSIDE	Shoot				--