

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Dioscorea villosa*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Rhizome		149.0	-0.5598763894409068	--
112	ASCORBIC-ACID	Root	110.0	460.0	-0.3830171180705152	--
77	ZINC	Root	1.3	5.6	-0.813679062374768	--
65	MAGNESIUM	Root	391.0	1630.0	-0.4956799207072652	--
60	SELENIUM	Root	0.2	0.8	-0.305543670409851	--
53	BETA-CAROTENE	Root	7.0	29.0	-0.2509892849958484	--
47	BETA-SITOSTEROL	Root	70.0	700.0	-0.2589187774375579	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
39	NIACIN	Root	2.4	10.0	-1.1662153476610986	--
28	CALCIUM	Root	734.0	3060.0	-0.47561543787124305	--
24	CHROMIUM	Root	0.6	2.6	-0.04172769562194169	--
15	RIBOFLAVIN	Root	0.1	0.6	-0.7603772052556049	--
14	MANGANESE	Root	1.5	6.4	-0.4694514112988013	--
14	POTASSIUM	Root	1301.0	5420.0	-0.7585056391083355	--
12	STIGMASTEROL	Root	10.0	100.0	-0.24394437770580138	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
7	DIOSGENIN	Tuber		23000.0	1.0	--
7	DIOSGENIN	Plant				--
7	DIOSGENIN	Tissue Culture				--
6	IRON	Root	7.0	31.0	-0.39661669994830984	--
5	STARCH	Root	48000.0	200000.0	-0.48414866409480584	--
5	ALUMINUM	Root	50.0	210.0	-0.1998032717349636	--
4	PHOSPHORUS	Root	415.0	1730.0	-0.3141230704265665	--
4	TIN	Root	4.6	19.0	0.2555262967958394	--
4	SILICON	Root				--
3	MUCILAGE	Root	36000.0	150000.0	0.018317587494466638	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CAMPESTEROL	Root	20.0	200.0	1.2834996430471919	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
2	PHYTOSTEROLS	Root	100.0	1000.0	0.23993125959775913	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
2	COBALT	Root	3.5	14.7	-0.2261443497658589	--
1	SODIUM	Root	425.0	1770.0	0.3113660626243531	--
0	CARBOHYDRATES	Root	215280.0	897000.0	0.8594170572461977	--
0	WATER	Root		760000.0	-0.0605104354248704	--
0	THIAMINE	Root	0.3	1.1	-0.6447802831208357	--
0	ASH	Root	19680.0	82000.0	0.41237577047078894	--
0	FAT	Root	1440.0	6000.0	-0.5629181509888809	--
0	FIBER(DIETARY)	Root		360000.0	-0.41968027948872727	--
0	FIBER(CRUDE)	Root		130000.0	0.5538095232268734	--
0	PROTEIN	Root	14640.0	61000.0	-0.644721908228526	--
0	SAPOGENINS	Tuber		13000.0		--