

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Dioscorea villosa*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
5	ALUMINUM	Root	50.0	210.0	-0.1998032717349636	--
112	ASCORBIC-ACID	Rhizome		149.0	-0.5598763894409068	--
112	ASCORBIC-ACID	Root	110.0	460.0	-0.3830171180705152	--
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.)
28	CALCIUM	Root	734.0	3060.0	-0.47561543787124305	--
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.)
24	CHROMIUM	Root	0.6	2.6	-0.04172769562194169	--
2	COBALT	Root	3.5	14.7	-0.2261443497658589	--
7	DIOSGENIN	Tuber		23000.0	1.0	--
7	DIOSGENIN	Plant				--
7	DIOSGENIN	Tissue Culture				--
6	IRON	Root	7.0	31.0	-0.39661669994830984	--
65	MAGNESIUM	Root	391.0	1630.0	-0.4956799207072652	--
14	MANGANESE	Root	1.5	6.4	-0.4694514112988013	--
3	MUCILAGE	Root	36000.0	150000.0	0.018317587494466638	--
39	NIACIN	Root	2.4	10.0	-1.1662153476610986	--
4	PHOSPHORUS	Root	415.0	1730.0	-0.3141230704265665	--
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.)
14	POTASSIUM	Root	1301.0	5420.0	-0.7585056391083355	--
15	RIBOFLAVIN	Root	0.1	0.6	-0.7603772052556049	--
60	SELENIUM	Root	0.2	0.8	-0.305543670409851	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	SILICON	Root				--
1	SODIUM	Root	425.0	1770.0	0.3113660626243531	--
5	STARCH	Root	48000.0	200000.0	-0.48414866409480584	--
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.)
4	TIN	Root	4.6	19.0	0.2555262967958394	--
77	ZINC	Root	1.3	5.6	-0.813679062374768	--