

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Dioscorea villosa*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
77	ZINC	Root	1.3	5.6	-0.813679062374768	--
4	TIN	Root	4.6	19.0	0.2555262967958394	--
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.)
5	STARCH	Root	48000.0	200000.0	-0.48414866409480584	--
1	SODIUM	Root	425.0	1770.0	0.3113660626243531	--
4	SILICON	Root				--
60	SELENIUM	Root	0.2	0.8	-0.305543670409851	--
15	RIBOFLAVIN	Root	0.1	0.6	-0.7603772052556049	--
14	POTASSIUM	Root	1301.0	5420.0	-0.7585056391083355	--
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.)
4	PHOSPHORUS	Root	415.0	1730.0	-0.3141230704265665	--
39	NIACIN	Root	2.4	10.0	-1.1662153476610986	--
3	MUCILAGE	Root	36000.0	150000.0	0.018317587494466638	--
14	MANGANESE	Root	1.5	6.4	-0.4694514112988013	--
65	MAGNESIUM	Root	391.0	1630.0	-0.4956799207072652	--
6	IRON	Root	7.0	31.0	-0.39661669994830984	--
7	DIOSGENIN	Tuber		23000.0	1.0	--
7	DIOSGENIN	Plant				--
7	DIOSGENIN	Tissue Culture				--
2	COBALT	Root	3.5	14.7	-0.2261443497658589	--
24	CHROMIUM	Root	0.6	2.6	-0.04172769562194169	--
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.)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
28	CALCIUM	Root	734.0	3060.0	-0.47561543787124305	--
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.)
53	BETA-CAROTENE	Root	7.0	29.0	-0.2509892849958484	--
112	ASCORBIC-ACID	Root	110.0	460.0	-0.3830171180705152	--
112	ASCORBIC-ACID	Rhizome		149.0	-0.5598763894409068	--
5	ALUMINUM	Root	50.0	210.0	-0.1998032717349636	--