

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Dioscorea villosa*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CARBOHYDRATES	Root	215280.0	897000.0	0.8594170572461977	--
5	STARCH	Root	48000.0	200000.0	-0.48414866409480584	--
3	MUCILAGE	Root	36000.0	150000.0	0.018317587494466638	--
0	ASH	Root	19680.0	82000.0	0.41237577047078894	--
0	PROTEIN	Root	14640.0	61000.0	-0.644721908228526	--
0	FAT	Root	1440.0	6000.0	-0.5629181509888809	--
14	POTASSIUM	Root	1301.0	5420.0	-0.7585056391083355	--
28	CALCIUM	Root	734.0	3060.0	-0.47561543787124305	--
1	SODIUM	Root	425.0	1770.0	0.3113660626243531	--
4	PHOSPHORUS	Root	415.0	1730.0	-0.3141230704265665	--
65	MAGNESIUM	Root	391.0	1630.0	-0.4956799207072652	--
112	ASCORBIC-ACID	Root	110.0	460.0	-0.3830171180705152	--
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.)
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.)
5	ALUMINUM	Root	50.0	210.0	-0.1998032717349636	--
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.)
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.)
53	BETA-CAROTENE	Root	7.0	29.0	-0.2509892849958484	--
6	IRON	Root	7.0	31.0	-0.39661669994830984	--
4	TIN	Root	4.6	19.0	0.2555262967958394	--
2	COBALT	Root	3.5	14.7	-0.2261443497658589	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
39	NIACIN	Root	2.4	10.0	-1.1662153476610986	--
14	MANGANESE	Root	1.5	6.4	-0.4694514112988013	--
77	ZINC	Root	1.3	5.6	-0.813679062374768	--
24	CHROMIUM	Root	0.6	2.6	-0.04172769562194169	--
0	THIAMINE	Root	0.3	1.1	-0.6447802831208357	--
60	SELENIUM	Root	0.2	0.8	-0.305543670409851	--
15	RIBOFLAVIN	Root	0.1	0.6	-0.7603772052556049	--
0	WATER	Root		760000.0	-0.0605104354248704	--
7	DIOSGENIN	Tuber		23000.0	1.0	--
7	DIOSGENIN	Plant				--
7	DIOSGENIN	Tissue Culture				--
112	ASCORBIC-ACID	Rhizome		149.0	-0.5598763894409068	--
4	SILICON	Root				--
0	FIBER(DIETARY)	Root		360000.0	-0.41968027948872727	--
0	FIBER(CRUDE)	Root		130000.0	0.5538095232268734	--
0	SAPOGENINS	Tuber		13000.0		--