

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Dioscorea pentaphylla*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	ALANINE	Root	550.0	2965.0	-0.2347934010511188	--
14	ARGININE	Root	1120.0	6035.0	-0.2367468989676929	--
112	ASCORBIC-ACID	Root	26.0	140.0	-0.5659433538506317	--
0	ASH	Root	8200.0	44180.0	-0.6675927894719447	--
3	ASPARTIC-ACID	Root	1360.0	7330.0	-0.34129956043971876	--
53	BETA-CAROTENE	Root				--
28	CALCIUM	Root	260.0	1400.0	-0.6574153909963432	--
0	CARBOHYDRATES	Root	163100.0	878770.0	0.6254458093384265	--
2	CYSTINE	Root	160.0	860.0	-0.02893004653902347	--
0	FAT	Root	1000.0	5390.0	-0.583260789504123	--
15	FIBER	Root	4500.0	24245.0	-1.4183778354692476	--
8	GLUTAMIC-ACID	Root	1590.0	8565.0	-0.5644396627328083	--
12	GLYCINE	Root	460.0	2480.0	-0.23042252147740053	--
7	HISTIDINE	Root	300.0	1615.0	-0.17247848755555034	--
6	IRON	Root	4.0	24.0	-0.40678623335604636	--
3	ISOLEUCINE	Root	450.0	2425.0	-0.5444215854594945	--
0	KILOCALORIES	Root	670.0	3610.0	0.5362060653597072	--
2	LEUCINE	Root	840.0	4525.0	0.09898302865686487	--
27	LINOLEIC-ACID	Root	380.0	2050.0	-0.3993317062529924	--
0	LINOLENIC-ACID	Root	70.0	375.0	-1.0025563555906085	--
4	LYSINE	Root	520.0	2800.0	-0.8599869209427593	--
65	MAGNESIUM	Root	94.0	792.0	-0.9415836434334147	--
15	METHIONINE	Root	180.0	970.0	-0.18829483953385212	--
13	MUFA	Root	40.0	215.0	-0.8708467265559104	--
39	NIACIN	Root	4.0	29.0	-0.6155517429391659	--
18	OLEIC-ACID	Root	40.0	215.0	-0.624664917113631	--
13	PALMITIC-ACID	Root	200.0	1080.0	-0.35082202749607655	--

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7	PHENYLALANINE	Root	620.0	3340.0	0.40251393197288515	--
4	PHOSPHORUS	Root	340.0	1830.0	-0.29655213906071043	--
2	PHYTOSTEROLS	Root	100.0	333.0	-1.43110805925539	--
14	POTASSIUM	Root	3555.0	25350.0	0.700837335256725	--
0	PROLINE	Root	480.0	2585.0	0.42322807134014523	--
0	PROTEIN	Root	13400.0	72200.0	-0.5189513863141637	--
4	PUFA	Root	450.0	2425.0	-1.1041398499395367	--
15	RIBOFLAVIN	Root	0.2	1.0	-0.6728403213433949	--
1	SERINE	Root	710.0	3825.0	0.260161664106447	--
0	SFA	Root	220.0	1185.0	-0.6645119624464855	--
1	SODIUM	Root	120.0	750.0	-0.16356123710773246	--
8	STEARIC-ACID	Root	20.0	108.0	-0.625408468087987	--
31	THIAMIN	Root	1.0	7.0	0.02895854398179134	--
4	THREONINE	Root	470.0	2530.0	-0.35310519459319256	--
29	TRYPTOPHAN	Root	110.0	595.0	-0.8047375814093394	--
8	TYROSINE	Root	350.0	1885.0	-0.2009954221742854	--
3	VALINE	Root	540.0	2910.0	-0.6759984567138118	--
0	WATER	Root	796950.0	831850.0	0.40976634805860224	--