

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Pachyrhizus erosus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	12-ALPHA-HYDROXYDOLINEONE	Seed				--
0	12-ALPHA-HYDROXYEROSONE	Plant				--
0	12-ALPHA-HYDROXYMUNDUSERONE	Plant				--
0	12-ALPHA-HYDROXYPACHYRRHIZONE	Seed				--
4	12-ALPHA-HYDROXYROTENONE	Plant				--
11	ADENINE	Tuber				--
3	ALANINE	Tuber	380.0	3500.0	-0.6826053416312601	--
0	ARACHIDIC-ACID	Seed				--
14	ARGININE	Tuber	720.0	6635.0	-0.9938736961087227	--
112	ASCORBIC-ACID	Plant	140.0	1845.0	-0.1605551330744788	--
0	ASH	Tuber	5000.0	46080.0	-0.7884007790265444	--
3	ASPARTIC-ACID	Tuber	3870.0	35670.0	0.6747625575826737	--
53	BETA-CAROTENE	Tuber				--
28	CALCIUM	Tuber	150.0	1380.0	-0.7362690399901138	--
0	CARBOHYDRATES	Tuber	87500.0	806450.0	-0.0338213461736715	--
20	CHOLINE	Tuber				--
12	COPPER	Tuber	4.0	25.0	1.8594670549735095	--
2	CYSTINE	Tuber	110.0	1015.0	-0.7726513110956189	--
0	DEHYDRONEOTENONE	Seed				--
0	DL-NEOTENONE	Seed				--
0	DOLICHONE	Seed				--
0	EICOSENOIC-ACID	Seed				--
0	EROSONE	Plant				--
0	EROSNIN	Seed				--
0	EROSONE	Seed				--
0	FAT	Tuber	2000.0	18435.0	0.8561033518276923	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	FAT	Seed		200000.0	-0.34441983215421706	--
15	FIBER	Tuber	6400.0	64515.0	-0.10271302593364792	--
8	GLUTAMIC-ACID	Tuber	820.0	7560.0	-1.6000445771204561	--
12	GLYCINE	Tuber	310.0	2855.0	-0.8182366442910574	--
0	HEXADECANOIC-ACID	Seed				--
7	HISTIDINE	Tuber	370.0	3410.0	0.0885520819204898	--
6	IRON	Tuber	6.0	55.0	-0.8279116882972566	--
0	ISOELLIPTONE	Seed				--
3	ISOLEUCINE	Tuber	310.0	2855.0	-0.8982625446186537	--
0	KILOCALORIES	Tuber	410.0	3780.0	0.603029610619389	--
2	LEUCINE	Tuber	480.0	4425.0	-0.7603921927468064	--
27	LINOLEIC-ACID	Seed				--
0	LINOLENIC-ACID	Seed				--
4	LYSINE	Tuber	510.0	4700.0	-0.705310514654771	--
65	MAGNESIUM	Tuber	160.0	1475.0	-0.08127069786511237	--
15	METHIONINE	Tuber	130.0	1200.0	-0.5663988884194827	--
39	NIACIN	Tuber	3.0	28.0	-1.5609214733370365	--
18	OLEIC-ACID	Seed				--
0	PACHYRHIZINE	Seed				--
0	PACHYRHIZONE	Seed				--
0	PACHYSAPOGENIN-A	Seed				--
0	PACHYSAPOGENIN-B	Seed				--
13	PALMITIC-ACID	Seed				--
7	PHENYLALANINE	Tuber	320.0	2950.0	-0.7832244590716354	--
4	PHOSPHORUS	Tuber	180.0	1660.0	-0.7180636251627609	--
0	PHYTIN	Tuber				--
14	POTASSIUM	Tuber	1750.0	16130.0	0.06743359661207958	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	PROLINE	Tuber	470.0	4330.0	-0.5931933207228488	--
0	PROTEIN	Tuber	14000.0	129030.0	-0.09336409894266424	--
15	RIBOFLAVIN	Tuber	0.3	2.8	-0.48821910185808576	--
13	ROTENONE	Seed	1000.0	10000.0		--
1	SERINE	Tuber	470.0	4330.0	-0.5054828984851184	--
1	SODIUM	Tuber	60.0	555.0	-0.35822223000581643	--
5	STARCH	Tuber	97200.0	551645.0	0.36370715632514383	--
8	STEARIC-ACID	Seed				--
0	SUGARS	Tuber	52200.0	296255.0		--
31	THIAMIN	Tuber	0.4	3.7	-1.0513488412155791	--
4	THREONINE	Tuber	350.0	3225.0	-0.7131368451098462	--
8	TYROSINE	Tuber	230.0	2120.0	-0.7238216106661497	--
3	VALINE	Tuber	420.0	3870.0	-0.7863242721076872	--
0	WATER	Tuber		891500.0	1.0462567370874725	--