

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in *Pachyrhizus erosus***

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	12-ALPHA-HYDROXYDOLINEONE	Seed	--	--		
0	12-ALPHA-HYDROXYEROSENONE	Plant	--	--		
0	12-ALPHA-HYDROXYMUNDUSERONE	Plant	--	--		
0	12-ALPHA-HYDROXPACHYRRHIZONE	Seed	--	--		
4	12-ALPHA-HYDROXYROTENONE	Plant	--	--		
11	ADENINE	Tuber	--	--		
3	ALANINE	Tuber	380	3500	-0.6826053416312601	
0	ARACHIDIC-ACID	Seed	--	--		
14	ARGININE	Tuber	720	6635	-0.9938736961087227	
112	ASCORBIC-ACID	Plant	140	1845	-0.1605551330744788	
0	ASH	Tuber	5000	46080	-0.7884007790265444	
3	ASPARTIC-ACID	Tuber	3870	35670	0.6747625575826737	
53	BETA-CAROTENE	Tuber	--	--		
28	CALCIUM	Tuber	150	1380	-0.7362690399901138	
0	CARBOHYDRATES	Tuber	87500	806450	-0.0338213461736715	
20	CHOLINE	Tuber	--	--		
12	COPPER	Tuber	4	25	1.8594670549735095	
2	CYSTINE	Tuber	110	1015	-0.7726513110956189	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DEHYDRONEOTENONE	Seed	--	--		
0	DL-NEOTENONE	Seed	--	--		
0	DOLICHONE	Seed	--	--		
0	EICOSENOIC-ACID	Seed	--	--		
0	EROSNONE	Plant	--	--		
0	EROSNIN	Seed	--	--		
0	EROSONE	Seed	--	--		
0	FAT	Seed	200000	200000	-0.34441983215421706	
0	FAT	Tuber	2000	18435	0.8561033518276923	
15	FIBER	Tuber	6400	64515	-0.10271302593364792	
8	GLUTAMIC-ACID	Tuber	820	7560	-1.6000445771204561	
12	GLYCINE	Tuber	310	2855	-0.8182366442910574	
0	HEXADECANOIC-ACID	Seed	--	--		
7	HISTIDINE	Tuber	370	3410	0.0885520819204898	
6	IRON	Tuber	6	55	-0.8279116882972566	
0	ISOELLIPTONE	Seed	--	--		
3	ISOLEUCINE	Tuber	310	2855	-0.8982625446186537	
0	KILOCALORIES	Tuber	410	3780	0.603029610619389	
2	LEUCINE	Tuber	480	4425	-0.7603921927468064	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
27	LINOLEIC-ACID	Seed	--	--		
0	LINOLENIC-ACID	Seed	--	--		
4	LYSINE	Tuber	510	4700	-0.705310514654771	
65	MAGNESIUM	Tuber	160	1475	-0.08127069786511237	
15	METHIONINE	Tuber	130	1200	-0.5663988884194827	
39	NIACIN	Tuber	3	28	-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	2950	-0.7832244590716354	
4	PHOSPHORUS	Tuber	180	1660	-0.7180636251627609	
0	PHYTIN	Tuber	--	--		
14	POTASSIUM	Tuber	1750	16130	0.06743359661207958	
0	PROLINE	Tuber	470	4330	-0.5931933207228488	
0	PROTEIN	Tuber	14000	129030	-0.09336409894266424	
15	RIBOFLAVIN	Tuber	0.3	2.8	-0.48821910185808576	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	ROTENONE	Seed	1000	10000		
1	SERINE	Tuber	470	4330	-0.5054828984851184	
1	SODIUM	Tuber	60	555	-0.35822223000581643	
5	STARCH	Tuber	97200	551645	0.36370715632514383	
8	STEARIC-ACID	Seed	--	--		
0	SUGARS	Tuber	52200	296255		
31	THIAMIN	Tuber	0.4	3.7	-1.0513488412155791	
4	THREONINE	Tuber	350	3225	-0.7131368451098462	
8	TYROSINE	Tuber	230	2120	-0.7238216106661497	
3	VALINE	Tuber	420	3870	-0.7863242721076872	
0	WATER	Tuber	891500	891500	1.0462567370874725	