

# Dr. Duke's Phytochemical and Ethnobotanical Databases

## Chemicals found in Arachis hypogaea

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	11-EICOSENOIC-ACID	Plant				--
0	13-EICOSENOIC-ACID	Plant				--
0	13-HYDROPEROXY-CIS-9,TRANS-11-OCTADECADIENOIC-ACID	Plant				--
0	13-HYDROPEROXY-TRANS-9,TRANS-11-OCTADECADIENOIC-ACID	Plant				--
0	15-DOCOSENOIC-ACID	Plant				--
0	2,4-METHYLENE-CHOLESTEROL	Plant				--
0	4-METHYLENPROLINE	Seed				--
4	5,7-DIHYDROXYCHROMONE	Plant				--
0	7-HEXADECENOIC-ACID	Plant				--
0	9,10-DIHYDROXYSTEARIC-ACID	Plant				--
3	ALANINE	Seed	10390.0	12137.0	0.4210734928678391	--
0	ALPHA-AMINO-BETA-HYDROXYBUTYRIC-ACID	Plant				--
0	ALPHA-CEPHALIN	Seed				--
0	ALPHA-KETO-GLUTARIC-ACID	Seed				--
15	ALPHA-LINOLENIC-ACID	Seed	30.0	110.0	-0.3287090439793328	--
0	ALPHA-RESORCYLIC-ACID	Plant				--
32	ALPHA-TOCOPHEROL	Seed	83.0	116.0	-0.36252380102986614	--
32	ALPHA-TOCOPHEROL	Oil		89.0	-0.5688464123583074	--
5	ALUMINUM	Seed		14.0	-0.3403462875832767	--
0	ARACHIDIC-ACID	Seed	11803.0	12644.0	0.5820346650827677	--
0	ARACHIN	Seed				--
14	ARGININE	Seed	31280.0	37022.0	0.5242827541673751	--
112	ASCORBIC-ACID	Seed	0.0	190.0	-0.22439037183445343	--
112	ASCORBIC-ACID	Leaf	980.0	4558.0	-0.02099577779540737	--
0	ASH	Seed	16000.0	28000.0	-0.5979467016021296	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	ASH	Plant	73000.0	116000.0	-0.09055719550956291	--
0	ASH	Leaf	16000.0	74000.0	-0.7902317558058641	--
3	ASPARTIC-ACID	Seed	31900.0	36968.0	1.2765054640295876	--
1	BEHENIC-ACID	Seed	15246.0	16332.0	0.8511027375059854	--
53	BETA-CAROTENE	Seed	0.0	0.34	-0.40805543034498004	--
53	BETA-CAROTENE	Leaf	77.0	360.0	0.42984159542352385	--
47	BETA-SITOSTEROL	Plant				--
4	BIOTIN	Seed				--
4	BORON	Seed	5.0	18.0	-0.2898953572647384	--
3	CADMIUM	Seed		0.03	-0.33359741952043553	--
102	CAFFEIC-ACID	Seed		11.0	-0.7603797516688712	--
28	CALCIUM	Seed	560.0	969.0	-0.5835581807786859	--
28	CALCIUM	Plant	9300.0	31500.0	1.9158370649425922	--
28	CALCIUM	Leaf	2620.0	21500.0	0.2092752347627683	--
5	CAPRYLIC-ACID	Plant				--
0	CARBOHYDRATES	Seed	161800.0	377000.0	-0.581832264794976	--
0	CARBOHYDRATES	Plant	668000.0	717000.0	0.28718908639178287	--
0	CARBOHYDRATES	Leaf	149000.0	693000.0	0.6453573657002941	--
1	CELLULOSE	Seed	20000.0	50000.0	-0.6579379217285475	--
0	CEREBRONIC-ACID	Plant				--
77	CHLOROGENIC-ACID	Seed		12.0	-0.6167484489597725	--
1	CHOLESTEROL	Plant				--
20	CHOLINE	Seed				--
24	CHROMIUM	Seed		0.08	-0.670859023100321	--
7	CHRYSOERIOL	Plant				--
0	CIS-10-OCTADECENOIC-ACID	Plant				--
0	CIS-11-OCTADECENOIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CIS-3,5,4'-TRIHYDROXY-4-ISOPENTENYLSTILBENE	Sprout Seedling				--
3	CIS-RESVERATROL	Sprout Seedling				--
2	COBALT	Seed	0.02	0.08	-0.20247427693190787	--
0	CONARACHIN	Seed				--
0	CONGLUTIN	Seed				--
12	COPPER	Seed	8.6	11.0	-0.34599137524950224	--
2	CYSTINE	Seed	3290.0	3580.0	0.29917067862821656	--
0	D,L-AMINOBUTYRIC-ACID	Plant				--
0	DAUCOSTERIN	Plant				--
4	DELTA-TOCOPHEROL	Seed				--
0	DIHYDROXYSTEARIC-ACID	Plant				--
0	DOCOSANOIC-ACID	Plant				--
0	DOCOSENIC-ACID	Plant				--
0	EICOSAMONOENOIC-ACID	Plant				--
0	EICOSANIC-ACID	Plant				--
0	EICOSENOIC-ACID	Plant				--
0	ELIPHATIC-ACID	Plant				--
30	ESCULETIN	Plant				--
0	FAT	Seed	194800.0	526834.0	1.3771317541033519	--
0	FAT	Plant	22000.0	95000.0	0.6313001153705581	--
0	FAT	Leaf	6000.0	28000.0	-0.5671584341942296	--
61	FERULIC-ACID	Seed		45.0	-0.3720643105185383	--
15	FIBER	Seed	11900.0	52383.0	-0.6506114885296242	--
15	FIBER	Plant	201000.0	279000.0	0.41545981993088654	--
15	FIBER	Leaf	46000.0	214000.0	0.6487908738785475	--
15	FOLACIN	Seed	1.0	3.0	0.16545704351878715	--
0	FUMARASE	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
22	GABA	Plant				--
0	GADOLEIC-ACID	Seed	5230.0	5585.0	0.1075900581659915	--
0	GAMMA-AMINO-ALPHA-METHYLENEBUTYRIC-ACID	Plant				--
22	GAMMA-AMINOBUTYRIC-ACID	Plant				--
0	GAMMA-METHYLENE-ALPHA-KETOGLUTARIC-ACID	Seed				--
14	GAMMA-TOCOPHEROL	Oil		35.0	-1.2122905286423604	--
8	GENTISIC-ACID	Seed		14.0	0.09053574604251868	--
8	GLUTAMIC-ACID	Seed	54650.0	65281.0	0.994345783515463	--
7	GLUTATHIONE	Seed				--
3	GLYCERIC-ACID	Plant				--
12	GLYCINE	Seed	15760.0	18993.0	1.1625612782547456	--
1	HEPTADECANOIC-ACID	Plant				--
0	HEXACONIC-ACID	Plant				--
0	HEXACOSAENOIC-ACID	Plant				--
0	HEXADECENOIC-ACID	Plant				--
7	HISTIDINE	Seed	6610.0	8013.0	0.5021644297282549	--
0	HYDROXYBEHENIC-ACID	Plant				--
6	IRON	Seed	21.0	42.0	-0.5054860891477773	--
6	IRON	Leaf	42.0	195.0	-0.4263043235338863	--
4	ISOCHLOROGENIC-ACID	Seed		3.0	1.0	--
0	ISOCITRATYLLASE	Seed				--
4	ISOFERULIC-ACID	Seed		0.2	-0.7101040442373806	--
3	ISOLEUCINE	Seed	9200.0	10680.0	0.024045890127904278	--
0	ISOLINOLEIC-ACID	Plant				--
0	ISOOLEIC-ACID	Plant				--
22	ISOQUERCITRIN	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	KILOCALORIES	Seed	3030.0	6074.0	0.9510746469935777	--
0	KILOCALORIES	Leaf	690.0	3210.0	0.3093547221126032	--
7	LAURIC-ACID	Plant				--
0	LEAD	Seed		0.07	-0.6874786757652491	--
20	LECITHIN	Seed	5000.0	7000.0	-0.5483215577022482	--
2	LEUCINE	Seed	16960.0	20653.0	0.341864521409679	--
1	LEUCOCYANIDIN	Seed				--
2	LEUCODELPHINIDIN	Seed				--
1	LIGNOCERIC-ACID	Seed	5409.0	5795.0	0.2031083744701942	--
27	LINOLEIC-ACID	Seed	155300.0	183655.0	0.6557406573335274	--
0	LUETOLIN	Plant				--
4	LYSINE	Seed	9390.0	10627.0	-0.19933757236321603	--
65	MAGNESIUM	Seed	1700.0	2110.0	-0.33033916726664575	--
65	MAGNESIUM	Plant	3500.0	8700.0	1.4384603162165248	--
0	MALVALIC-ACID	Plant				--
14	MANGANESE	Seed	11.0	30.0	-0.2929994032843147	--
1	MERCURY	Seed				--
15	METHIONINE	Seed	2630.0	3430.0	-0.22847174035452394	--
13	MUFA	Seed	223280.0	261265.0	1.0984598038157434	USDA's Ag Handbook 8 and sequelae)
6	MYRISTIC-ACID	Seed	250.0	300.0	-0.2920759581462153	--
39	NIACIN	Seed	141.0	182.0	4.16425255682122	--
39	NIACIN	Leaf	16.0	74.0	-0.28585370458355636	--
0	NITROGEN	Seed		40000.0	1.3202716195440727	--
0	NONADECANOIC-ACID	Plant				--
0	NONADECENOIC-ACID	Plant				--
0	NONAHEXADECANOIC-ACID	Plant				--
0	NONAHEXADECENOIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	O-COUMARIC-ACID	Seed		10.0		--
0	OCTADECADIENOIC-ACID	Plant				--
18	OLEIC-ACID	Seed	217570.0	254065.0	1.1094632620527032	--
25	P-COUMARIC-ACID	Seed		20.0	-0.48301484453840043	--
13	P-HYDROXY-BENZOIC-ACID	Seed		14.0	1.0901352030319127	--
13	PALMITIC-ACID	Seed	51450.0	60615.0	0.551083079118938	--
2	PALMITOLEIC-ACID	Seed	90.0	4806.0	-0.1831016561923948	--
11	PANTOTHENIC-ACID	Seed	17.0	30.0	1.3884780966693027	--
7	PHENYLALANINE	Seed	13560.0	15715.0	0.4985177631658018	--
0	PHLORETIC-ACID	Plant				--
0	PHOSPHOLIPASE-D	Seed				--
0	PHOSPHORIC-ACID-MONOESTERHYDROLASE	Seed				--
4	PHOSPHORUS	Seed	2450.0	4248.0	-0.29209961604870893	--
4	PHOSPHORUS	Plant	800.0	10000.0	3.080888221630494	--
4	PHOSPHORUS	Leaf	820.0	3814.0	-0.21295656282691247	--
0	PHYSETOLEIC-ACID	Plant				--
14	POTASSIUM	Seed	4210.0	7681.0	-0.4299606134344048	--
14	POTASSIUM	Plant	9100.0	17500.0	-0.29968503911109495	--
0	PRATENSIN	Plant				--
0	PROLINE	Seed	11540.0	15362.0	0.7909722522543554	--
0	PROTEIN	Seed	150000.0	275000.0	0.3665303179847915	--
0	PROTEIN	Leaf	44000.0	205000.0	-0.0682859814549933	--
0	PROTEIN	Plant	164000.0	262000.0	0.7255405678574368	--
43	PROTOCATECHUIC-ACID	Seed		4.0	-1.0	--
4	PUFA	Seed	155340.0	183785.0	0.5939566170280232	USDA's Ag Handbook 8 and sequelae)
176	QUERCETIN	Plant				--
15	RIBOFLAVIN	Seed	1.3	3.1	-0.16258289222271427	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	RIBOFLAVIN	Leaf	5.8	27.0	-0.05129941156156221	--
0	RUBIDIUM	Seed		13.0	-0.2755472797858507	--
87	RUTIN	Plant				--
34	SALICYLIC-ACID	Seed		18.0	1.0	--
0	SARKOSIN	Seed				--
60	SELENIUM	Seed		0.02	-0.2635767939811563	--
1	SERINE	Seed	12710.0	15362.0	0.917563694599728	--
0	SFA	Seed	68230.0	81740.0	0.22471425607701986	USDA's Ag Handbook 8 and sequelae)
9	SINAPIC-ACID	Seed		14.0	-0.5758065870649336	--
1	SODIUM	Seed	40.0	260.0	-0.30298769618341076	--
0	SPHINGOGLYCOLIPID	Seed				--
8	STEARIC-ACID	Seed	10980.0	13760.0	-0.26684476511915994	--
4	STERCULIC-ACID	Plant				--
12	STIGMASTEROL	Plant				--
0	STIZOLAMINE	Seed				--
14	SULFUR	Seed		2100.0	-0.24595858077137775	--
6	SYRINGIC-ACID	Seed		51.0	-0.47958642997696543	--
0	TETRADECANOIC-ACID	Plant				--
31	THIAMIN	Seed	6.0	17.0	2.485047557434568	--
31	THIAMIN	Leaf	2.3	11.0	0.5617191393000665	--
4	THREONINE	Seed	7430.0	9570.0	0.32045323154381355	--
0	TRANS-10-OCTADECENOIC-ACID	Plant				--
2	TRANS-3,5,4'-TRIHYDROXY-4-ISOPENTENYLSTILBENE	Sprout Seedling				--
5	TRANS-RESVERATROL	Sprout Seedling				--
0	TRIHYDROXYSTEARIC-ACID	Plant				--
29	TRYPTOPHAN	Seed	2540.0	3321.0	-0.0013956898077862752	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
8	TYROSINE	Seed	10630.0	13198.0	1.2640830330319166	--
3	VALINE	Seed	10970.0	12437.0	0.05240010986736746	--
24	VANILLIC-ACID	Seed		43.0	0.2095248326726832	--
0	VIT-B-6	Seed	2.96	3.7	-0.4611323830109378	--
0	WATER	Seed	56000.0	422000.0	0.7459666478573923	--
0	WATER	Plant	628000.0	842000.0	0.304250618482773	--
0	WATER	Leaf		785000.0	-0.11293897673254948	--
77	ZINC	Seed	31.0	35.0	-0.2876509455451	--