

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phaseolus acutifolius

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Seed	0.0			CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Seed	31000.0	42000.0	-0.17685988210238743	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Hay	92000.0	123000.0	1.0	--
0	ASH	Fruit		68000.0	0.29355586802071376	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
28	CALCIUM	Seed	1120.0	1966.0	-0.4004512066504771	--
0	CARBOHYDRATES	Seed	590000.0	742000.0	0.8687514744385338	--
0	CARBOHYDRATES	Hay	376000.0	666000.0	-1.0	--
0	CARBOHYDRATES	Fruit		436000.0	-1.8549545955336808	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
24	CHROMIUM	Seed	0.45	0.76	-0.5717899082939885	--
2	COBALT	Seed	0.4	0.63	-0.17861998679374813	--
12	COPPER	Seed	10.0	11.0	-0.34599137524950224	--
13	CYSTEINE	Seed	2680.0	2920.0	-0.4400359093355168	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
0	FAT	Seed	4700.0	15000.0	-1.3188810065046523	--
0	FAT	Hay	19000.0	35000.0	-1.0	--
0	FAT	Fruit		5000.0	-0.6030624919895102	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
15	FIBER	Seed	48000.0	67500.0	-0.5312450746702123	--
15	FIBER	Hay	257000.0	299000.0	-1.0	--
15	FIBER	Fruit		370000.0	2.154571421326718	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Seed	24.0	56.0	-0.4404378000213121	--
3	ISOLEUCINE	Seed	12600.0	13735.0	0.41386855173274295	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
0	KILOCALORIES	Seed	3375.0	3860.0	-0.7816891076771414	--
2	LEUCINE	Seed	21700.0	23655.0	0.6292124144606379	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
13	LIGNIN	Seed	1200.0	4000.0	-0.6986807608557938	--
4	LYSINE	Seed	17800.0	19400.0	0.9890120596411954	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
65	MAGNESIUM	Seed	1500.0	1865.0	-0.42713706087468034	--
14	MANGANESE	Seed	6.0	12.0	-0.5172209295208232	--
15	METHIONINE	Seed	2680.0	2920.0	-0.36016345950884265	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
39	NIACIN	Seed	28.0	31.0	-0.35579833160405505	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	OLIGOSACCHARIDE	Seed	29500.0	133100.0		--
7	PHENYLALANINE	Seed	11250.0	12260.0	0.08592941691420353	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
4	PHOSPHORUS	Seed	2800.0	4050.0	-0.34442290148094507	--
0	PHYTATE	Seed	6150.0	10200.0	-0.2833722373489534	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
9	PHYTIC-ACID	Seed	6000.0	10200.0	-0.570839223152627	--
14	POTASSIUM	Seed	15000.0	16530.0	0.3482514359370898	--
0	PROTEIN	Seed	170000.0	322000.0	0.784619658252683	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROTEIN	Hay	99000.0	185000.0	1.0	--
0	PROTEIN	Fruit		41000.0	-0.918252714708927	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
1	RAFFINOSE	Seed	500.0	9800.0	0.8091578291741034	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
15	RIBOFLAVIN	Seed	1.2	1.3	-0.8524404354795608	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	SODIUM	Seed	30.0	222.0	-0.3633095849315719	--
1	STACHYOSE	Seed	11000.0	43600.0	1.5182853659949773	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
14	SUCROSE	Seed	18000.0	79200.0	0.4288003120279811	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
31	THIAMIN	Seed	3.3	3.6	-0.7119671435478726	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	THREONINE	Seed	10700.0	11665.0	0.7890932358450354	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
8	TYROSINE	Seed	11250.0	12260.0	1.0467931509575494	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
3	VALINE	Seed	15900.0	17330.0	0.6550211289476195	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
0	WATER	Seed	49800.0	90100.0	-0.527672098473493	--
0	WATER	Hay	66000.0	108000.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	WATER	Fruit		80000.0	-3.0026879429714204	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
77	ZINC	Seed	25.0	34.0	-0.31604114389068755	--