

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phaseolus acutifolius

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
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.
0	PROTEIN	Seed	170000.0	322000.0	0.784619658252683	--
15	FIBER	Hay	257000.0	299000.0	-1.0	--
0	PROTEIN	Hay	99000.0	185000.0	1.0	--
0	OLIGOSACCHARIDE	Seed	29500.0	133100.0		--
0	ASH	Hay	92000.0	123000.0	1.0	--
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.
0	WATER	Seed	49800.0	90100.0	-0.527672098473493	--
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.
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.
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.
15	FIBER	Seed	48000.0	67500.0	-0.5312450746702123	--
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.

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0	ASH	Seed	31000.0	42000.0	-0.17685988210238743	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
0	FAT	Hay	19000.0	35000.0	-1.0	--
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.
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.
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.
14	POTASSIUM	Seed	15000.0	16530.0	0.3482514359370898	--
0	FAT	Seed	4700.0	15000.0	-1.3188810065046523	--
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.
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.
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.
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.

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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	--
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.
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.
4	PHOSPHORUS	Seed	2800.0	4050.0	-0.34442290148094507	--
13	LIGNIN	Seed	1200.0	4000.0	-0.6986807608557938	--
0	KILOCALORIES	Seed	3375.0	3860.0	-0.7816891076771414	--
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.
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.
28	CALCIUM	Seed	1120.0	1966.0	-0.4004512066504771	--
65	MAGNESIUM	Seed	1500.0	1865.0	-0.42713706087468034	--
1	SODIUM	Seed	30.0	222.0	-0.3633095849315719	--
6	IRON	Seed	24.0	56.0	-0.4404378000213121	--
77	ZINC	Seed	25.0	34.0	-0.31604114389068755	--
39	NIACIN	Seed	28.0	31.0	-0.35579833160405505	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
14	MANGANESE	Seed	6.0	12.0	-0.5172209295208232	--
12	COPPER	Seed	10.0	11.0	-0.34599137524950224	--
31	THIAMIN	Seed	3.3	3.6	-0.7119671435478726	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

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15	RIBOFLAVIN	Seed	1.2	1.3	-0.8524404354795608	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
24	CHROMIUM	Seed	0.45	0.76	-0.5717899082939885	--
2	COBALT	Seed	0.4	0.63	-0.17861998679374813	--
112	ASCORBIC-ACID	Seed	0.0			CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses