

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phaseolus lunatus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	SODIUM	Seed	5.0	269.0	-0.28870093305884625	--
1	SERINE	Seed	4270.0	15900.0	1.020671669330021	--
1	8,2'-DIHYDROXYGENISTEIN	Leaf		5800.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
2	CYSTINE	Seed	830.0	2789.0	-0.25111403533042315	USDA's Ag Handbook 8 and sequelae)
2	MOLYBDENUM	Seed	0.0	15.0	2.256828035241135	--
2	CYCLOKIEVITONE-HYDRATE	Leaf		500.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
2	CYCLO-2,3-DEHYDROKIEVITONE-HYDRATE	Leaf		2100.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
2	COBALT	Seed	0.0	1.0	-0.16257255524625883	--
2	4-(GAMMA,GAMMA-DIMETHYLALLYL)PHASEOLIDIN	Leaf		400.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
2	3'-(GAMMA,GAMMA-DIMETHYLALLYL)KIEVITONE	Leaf		9700.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
2	2,10-DI-(GAMMA,GAMMA-DIMETHYLALLYL)GLYCINOL	Leaf		500.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
2	5-DEOXYKIEVITOL	Leaf		33000.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
2	LEUCINE	Seed	5380.0	20595.0	0.33631282993834133	--
2	2,3-DEHYDROKIEVITOL	Leaf		800.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ALANINE	Seed	2600.0	12190.0	0.4323402326407051	USDA's Ag Handbook 8 and sequelae)
3	5-DEOXYKIEVITONE	Leaf		2300.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
3	NICKEL	Seed	0.3	7.0	0.4299174580067636	--
3	8-HYDROXYGENISTEIN	Leaf		3600.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
3	VALINE	Seed	4270.0	14370.0	0.2904680497574405	--
3	2,3-DEHYDROKIEVITONE	Leaf		900.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
3	ISOLEUCINE	Seed	4400.0	14785.0	0.5478501539209853	USDA's Ag Handbook 8 and sequelae)
3	2'-HYDROXYGENISTEIN	Leaf		5100.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
3	DALBERGIODIN	Leaf Diffusate		12.0	1.0	--
3	ASPARTIC-ACID	Seed	7350.0	30802.0	0.7291156014800422	USDA's Ag Handbook 8 and sequelae)
3	2'-HYDROXYDAIDZEIN	Leaf		2300.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
4	PHOSPHORUS	Seed	1130.0	9000.0	0.9636592343249576	--
4	IRIGENIN	Shoot				--
4	PHOSPHORUS	Leaf		360.0	-0.8484475813664748	--
4	LYSINE	Seed	4520.0	19010.0	0.9361844799669995	--
4	BORON	Seed	1.0	30.0	0.2793241380657447	--
4	PUFA	Seed	3090.0	14079.0	-0.6987597730103201	--
4	PHOSPHORUS	Sprout Seedling	3820.0	10611.0	2.046625909896273	--
4	THREONINE	Seed	2900.0	10320.0	0.48822411613852307	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	ALUMINUM	Seed	0.44	3000.0	4.630050127611181	--
6	IRON	Leaf	23.0	821.0	1.1604413665178475	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	MYRISTIC-ACID	Seed	20.0	67.0	-0.2951261296538609	--
6	IRON	Sprout Seedling	13.0	228.0	2.073792630648015	--
6	IRON	Seed	22.0	1000.0	3.9456754096489095	--
7	HISTIDINE	Seed	2320.0	7796.0	0.44447546934882604	USDA's Ag Handbook 8 and sequelae)
7	PHENYLALANINE	Seed	3370.0	13760.0	0.26505605059796544	--
8	STEARIC-ACID	Seed	220.0	739.0	-0.5493562496934008	--
8	AMYGDALIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	GLUTAMIC-ACID	Seed	8810.0	33820.0	-0.333021651306727	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Seed	2200.0	8450.0	0.16419778773437388	--
11	PANTOTHENIC-ACID	Seed	2.3	16.0	-0.07785532199076041	--
12	COPPER	Seed	3.0	15.0	0.01682814208698858	--
12	GLYCINE	Seed	2740.0	10090.0	-0.12465742701620912	USDA's Ag Handbook 8 and sequelae)
13	COUMESTROL	Root				--
13	COUMESTROL	Seed	0.0			--
13	PALMITIC-ACID	Seed	1180.0	5813.0	-0.5796599980056426	--
13	COUMESTROL	Leaf		1200.0	1.0	--
13	LIGNIN	Seed	3400.0	6400.0	-0.6566021203023709	--
13	MUFA	Seed	500.0	1680.0	-0.7794549980661318	--
14	MANGANESE	Seed	8.0	100.0	0.5789731987465522	--
14	ARGININE	Seed	4580.0	15390.0	-0.391695611260045	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Seed	2950.0	39000.0	2.324341926317639	--
15	METHIONINE	Seed	680.0	3017.0	-0.33511621096380556	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	RIBOFLAVIN	Sprout Seedling	1.4	3.9	-1.108146796514586	--
15	RIBOFLAVIN	Seed	0.3	5.1	0.6039254891737816	--
15	FIBER	Sprout Seedling	6000.0	17000.0	-1.3976624547397958	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Seed	10000.0	84500.0	-0.3970101712098695	--
15	FIBER	Leaf		111000.0	-0.6249222392756235	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Fruit		175000.0	0.314457685414015	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
16	VANADIUM	Seed	0.22	3.0	2.2640915166491467	--
18	OLEIC-ACID	Seed	500.0	1680.0	-0.9652896250150863	--
24	CHROMIUM	Seed	0.0	5.0	0.045935160498438064	--
27	LINOLEIC-ACID	Seed	2150.0	9509.0	-0.8363595595989931	--
28	CALCIUM	Sprout Seedling	1090.0	3028.0	-0.3113957775064191	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Seed	250.0	8600.0	0.8179356201966016	--
28	CALCIUM	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
29	TRYPTOPHAN	Seed	900.0	3024.0	-0.10268270521142216	--
31	THIAMIN	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
31	THIAMIN	Seed	1.6	7.4	0.1946489656859541	--
32	DAIDZEIN	Seed	0.3	28.0	-0.38531802700702444	--
39	NIACIN	Sprout Seedling	8.0	56.0	-0.5317365686969346	--
39	NIACIN	Seed	10.0	49.5	0.19798273750765077	--
53	BETA-CAROTENE	Sprout Seedling	0.3	0.8	-0.4606140559060844	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Seed	0.0	9.8	0.18328220133121417	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Seed	580.0	7000.0	1.6016677704610653	--
77	ZINC	Seed	7.0	100.0	1.5577119469180905	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
81	GENISTEIN	Seed	0.0	40.1	-0.30321411252522595	--
81	GENISTEIN	Leaf		2300.0	-0.5761048613124907	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
81	GENISTEIN	Leaf Diffusate				--
112	ASCORBIC-ACID	Sprout Seedling	70.0	194.0	-0.9301554608062169	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
112	ASCORBIC-ACID	Seed	0.0	952.0	0.23307541788601452	--