

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phaseolus lunatus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
77	ZINC	Seed	7.0	100.0	1.5577119469180905	--
16	VANADIUM	Seed	0.22	3.0	2.2640915166491467	--
3	VALINE	Seed	4270.0	14370.0	0.2904680497574405	--
8	TYROSINE	Seed	2200.0	8450.0	0.16419778773437388	--
29	TRYPTOPHAN	Seed	900.0	3024.0	-0.10268270521142216	--
4	THREONINE	Seed	2900.0	10320.0	0.48822411613852307	--
31	THIAMIN	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
31	THIAMIN	Seed	1.6	7.4	0.1946489656859541	--
8	STEARIC-ACID	Seed	220.0	739.0	-0.5493562496934008	--
1	SODIUM	Seed	5.0	269.0	-0.28870093305884625	--
1	SERINE	Seed	4270.0	15900.0	1.020671669330021	--
15	RIBOFLAVIN	Sprout Seedling	1.4	3.9	-1.108146796514586	--
15	RIBOFLAVIN	Seed	0.3	5.1	0.6039254891737816	--
4	PUFA	Seed	3090.0	14079.0	-0.6987597730103201	--
14	POTASSIUM	Seed	2950.0	39000.0	2.324341926317639	--
4	PHOSPHORUS	Sprout Seedling	3820.0	10611.0	2.046625909896273	--
4	PHOSPHORUS	Leaf		360.0	-0.8484475813664748	--
4	PHOSPHORUS	Seed	1130.0	9000.0	0.9636592343249576	--
7	PHENYLALANINE	Seed	3370.0	13760.0	0.26505605059796544	--
11	PANTOTHENIC-ACID	Seed	2.3	16.0	-0.07785532199076041	--
13	PALMITIC-ACID	Seed	1180.0	5813.0	-0.5796599980056426	--
18	OLEIC-ACID	Seed	500.0	1680.0	-0.9652896250150863	--
3	NICKEL	Seed	0.3	7.0	0.4299174580067636	--
39	NIACIN	Sprout Seedling	8.0	56.0	-0.5317365686969346	--
39	NIACIN	Seed	10.0	49.5	0.19798273750765077	--
6	MYRISTIC-ACID	Seed	20.0	67.0	-0.2951261296538609	--
13	MUFA	Seed	500.0	1680.0	-0.7794549980661318	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	MOLYBDENUM	Seed	0.0	15.0	2.256828035241135	--
15	METHIONINE	Seed	680.0	3017.0	-0.33511621096380556	--
14	MANGANESE	Seed	8.0	100.0	0.5789731987465522	--
65	MAGNESIUM	Seed	580.0	7000.0	1.6016677704610653	--
4	LYSINE	Seed	4520.0	19010.0	0.9361844799669995	--
27	LINOLEIC-ACID	Seed	2150.0	9509.0	-0.8363595595989931	--
13	LIGNIN	Seed	3400.0	6400.0	-0.6566021203023709	--
2	LEUCINE	Seed	5380.0	20595.0	0.33631282993834133	--
3	ISOLEUCINE	Seed	4400.0	14785.0	0.5478501539209853	USDA's Ag Handbook 8 and sequelae)
6	IRON	Sprout Seedling	13.0	228.0	2.073792630648015	--
6	IRON	Seed	22.0	1000.0	3.9456754096489095	--
6	IRON	Leaf	23.0	821.0	1.1604413665178475	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	IRIGENIN	Shoot				--
7	HISTIDINE	Seed	2320.0	7796.0	0.44447546934882604	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Seed	2740.0	10090.0	-0.12465742701620912	USDA's Ag Handbook 8 and sequelae)
8	GLUTAMIC-ACID	Seed	8810.0	33820.0	-0.333021651306727	USDA's Ag Handbook 8 and sequelae)
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				--
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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	FIBER	Fruit		175000.0	0.314457685414015	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	DALBERGIODIN	Leaf Diffusate		12.0	1.0	--
32	DAIDZEIN	Seed	0.3	28.0	-0.38531802700702444	--
2	CYSTINE	Seed	830.0	2789.0	-0.25111403533042315	USDA's Ag Handbook 8 and sequelae)
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.
13	COUMESTROL	Leaf		1200.0	1.0	--
13	COUMESTROL	Root				--
13	COUMESTROL	Seed	0.0			--
12	COPPER	Seed	3.0	15.0	0.01682814208698858	--
2	COBALT	Seed	0.0	1.0	-0.16257255524625883	--
24	CHROMIUM	Seed	0.0	5.0	0.045935160498438064	--
28	CALCIUM	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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	--
4	BORON	Seed	1.0	30.0	0.2793241380657447	--
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)
3	ASPARTIC-ACID	Seed	7350.0	30802.0	0.7291156014800422	USDA's Ag Handbook 8 and sequelae)
112	ASCORBIC-ACID	Sprout Seedling	70.0	194.0	-0.9301554608062169	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Seed	0.0	952.0	0.23307541788601452	--
14	ARGININE	Seed	4580.0	15390.0	-0.391695611260045	USDA's Ag Handbook 8 and sequelae)
8	AMYGDALIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	ALUMINUM	Seed	0.44	3000.0	4.630050127611181	--
3	ALANINE	Seed	2600.0	12190.0	0.4323402326407051	USDA's Ag Handbook 8 and sequelae)
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.
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.
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.
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	4-(GAMMA,GAMMA-DIMETHYLALLYL)PHASEOL LIDIN	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)KIEVITON E	Leaf		9700.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
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.
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
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.
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	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.