

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phaseolus lunatus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	ALUMINUM	Seed	0.44	3000.0	4.630050127611181	--
6	IRON	Seed	22.0	1000.0	3.9456754096489095	--
14	POTASSIUM	Seed	2950.0	39000.0	2.324341926317639	--
16	VANADIUM	Seed	0.22	3.0	2.2640915166491467	--
2	MOLYBDENUM	Seed	0.0	15.0	2.256828035241135	--
6	IRON	Sprout Seedling	13.0	228.0	2.073792630648015	--
4	PHOSPHORUS	Sprout Seedling	3820.0	10611.0	2.046625909896273	--
65	MAGNESIUM	Seed	580.0	7000.0	1.6016677704610653	--
77	ZINC	Seed	7.0	100.0	1.5577119469180905	--
6	IRON	Leaf	23.0	821.0	1.1604413665178475	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	SERINE	Seed	4270.0	15900.0	1.020671669330021	--
13	COUMESTROL	Leaf		1200.0	1.0	--
3	DALBERGIODIN	Leaf Diffusate		12.0	1.0	--
4	PHOSPHORUS	Seed	1130.0	9000.0	0.9636592343249576	--
4	LYSINE	Seed	4520.0	19010.0	0.9361844799669995	--
28	CALCIUM	Seed	250.0	8600.0	0.8179356201966016	--
3	ASPARTIC-ACID	Seed	7350.0	30802.0	0.7291156014800422	USDA's Ag Handbook 8 and sequelae)
15	RIBOFLAVIN	Seed	0.3	5.1	0.6039254891737816	--
14	MANGANESE	Seed	8.0	100.0	0.5789731987465522	--
3	ISOLEUCINE	Seed	4400.0	14785.0	0.5478501539209853	USDA's Ag Handbook 8 and sequelae)
4	THREONINE	Seed	2900.0	10320.0	0.48822411613852307	--
7	HISTIDINE	Seed	2320.0	7796.0	0.44447546934882604	USDA's Ag Handbook 8 and sequelae)
3	ALANINE	Seed	2600.0	12190.0	0.4323402326407051	USDA's Ag Handbook 8 and sequelae)
3	NICKEL	Seed	0.3	7.0	0.4299174580067636	--
2	LEUCINE	Seed	5380.0	20595.0	0.33631282993834133	--

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	VALINE	Seed	4270.0	14370.0	0.2904680497574405	--
4	BORON	Seed	1.0	30.0	0.2793241380657447	--
7	PHENYLALANINE	Seed	3370.0	13760.0	0.26505605059796544	--
112	ASCORBIC-ACID	Seed	0.0	952.0	0.23307541788601452	--
39	NIACIN	Seed	10.0	49.5	0.19798273750765077	--
31	THIAMIN	Seed	1.6	7.4	0.1946489656859541	--
53	BETA-CAROTENE	Seed	0.0	9.8	0.18328220133121417	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Seed	2200.0	8450.0	0.16419778773437388	--
24	CHROMIUM	Seed	0.0	5.0	0.045935160498438064	--
12	COPPER	Seed	3.0	15.0	0.01682814208698858	--
11	PANTOTHENIC-ACID	Seed	2.3	16.0	-0.07785532199076041	--
29	TRYPTOPHAN	Seed	900.0	3024.0	-0.10268270521142216	--
12	GLYCINE	Seed	2740.0	10090.0	-0.12465742701620912	USDA's Ag Handbook 8 and sequelae)
2	COBALT	Seed	0.0	1.0	-0.16257255524625883	--
2	CYSTINE	Seed	830.0	2789.0	-0.25111403533042315	USDA's Ag Handbook 8 and sequelae)
1	SODIUM	Seed	5.0	269.0	-0.28870093305884625	--
6	MYRISTIC-ACID	Seed	20.0	67.0	-0.2951261296538609	--
81	GENISTEIN	Seed	0.0	40.1	-0.30321411252522595	--
28	CALCIUM	Sprout Seedling	1090.0	3028.0	-0.3113957775064191	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	GLUTAMIC-ACID	Seed	8810.0	33820.0	-0.333021651306727	USDA's Ag Handbook 8 and sequelae)
15	METHIONINE	Seed	680.0	3017.0	-0.33511621096380556	--
32	DAIDZEIN	Seed	0.3	28.0	-0.38531802700702444	--
14	ARGININE	Seed	4580.0	15390.0	-0.391695611260045	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Seed	10000.0	84500.0	-0.3970101712098695	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	BETA-CAROTENE	Sprout Seedling	0.3	0.8	-0.4606140559060844	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
39	NIACIN	Sprout Seedling	8.0	56.0	-0.5317365686969346	--
8	STEARIC-ACID	Seed	220.0	739.0	-0.5493562496934008	--
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.
13	PALMITIC-ACID	Seed	1180.0	5813.0	-0.5796599980056426	--
15	FIBER	Leaf		111000.0	-0.6249222392756235	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	LIGNIN	Seed	3400.0	6400.0	-0.6566021203023709	--
4	PUFA	Seed	3090.0	14079.0	-0.6987597730103201	--
13	MUFA	Seed	500.0	1680.0	-0.7794549980661318	--
27	LINOLEIC-ACID	Seed	2150.0	9509.0	-0.8363595595989931	--
4	PHOSPHORUS	Leaf		360.0	-0.8484475813664748	--
31	THIAMIN	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
112	ASCORBIC-ACID	Sprout Seedling	70.0	194.0	-0.9301554608062169	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
18	OLEIC-ACID	Seed	500.0	1680.0	-0.9652896250150863	--
28	CALCIUM	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Sprout Seedling	1.4	3.9	-1.108146796514586	--
15	FIBER	Sprout Seedling	6000.0	17000.0	-1.3976624547397958	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	COUMESTROL	Seed	0.0			--
8	AMYGDALIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
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.
81	GENISTEIN	Leaf Diffusate				--
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.
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.
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	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.
4	IRIGENIN	Shoot				--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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	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.
13	COUMESTROL	Root				--
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.