

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phaseolus lunatus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	FIBER	Seed	10000.0	84500.0	-0.3970101712098695	--
8	GLUTAMIC-ACID	Seed	8810.0	33820.0	-0.333021651306727	USDA's Ag Handbook 8 and sequelae)
3	ASPARTIC-ACID	Seed	7350.0	30802.0	0.7291156014800422	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Sprout Seedling	6000.0	17000.0	-1.3976624547397958	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	LEUCINE	Seed	5380.0	20595.0	0.33631282993834133	--
14	ARGININE	Seed	4580.0	15390.0	-0.391695611260045	USDA's Ag Handbook 8 and sequelae)
4	LYSINE	Seed	4520.0	19010.0	0.9361844799669995	--
3	ISOLEUCINE	Seed	4400.0	14785.0	0.5478501539209853	USDA's Ag Handbook 8 and sequelae)
1	SERINE	Seed	4270.0	15900.0	1.020671669330021	--
3	VALINE	Seed	4270.0	14370.0	0.2904680497574405	--
4	PHOSPHORUS	Sprout Seedling	3820.0	10611.0	2.046625909896273	--
13	LIGNIN	Seed	3400.0	6400.0	-0.6566021203023709	--
7	PHENYLALANINE	Seed	3370.0	13760.0	0.26505605059796544	--
4	PUFA	Seed	3090.0	14079.0	-0.6987597730103201	--
14	POTASSIUM	Seed	2950.0	39000.0	2.324341926317639	--
4	THREONINE	Seed	2900.0	10320.0	0.48822411613852307	--
12	GLYCINE	Seed	2740.0	10090.0	-0.12465742701620912	USDA's Ag Handbook 8 and sequelae)
3	ALANINE	Seed	2600.0	12190.0	0.4323402326407051	USDA's Ag Handbook 8 and sequelae)
7	HISTIDINE	Seed	2320.0	7796.0	0.44447546934882604	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Seed	2200.0	8450.0	0.16419778773437388	--
27	LINOLEIC-ACID	Seed	2150.0	9509.0	-0.8363595595989931	--
13	PALMITIC-ACID	Seed	1180.0	5813.0	-0.5796599980056426	--
4	PHOSPHORUS	Seed	1130.0	9000.0	0.9636592343249576	--
28	CALCIUM	Sprout Seedling	1090.0	3028.0	-0.3113957775064191	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

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29	TRYPTOPHAN	Seed	900.0	3024.0	-0.10268270521142216	--
2	CYSTINE	Seed	830.0	2789.0	-0.25111403533042315	USDA's Ag Handbook 8 and sequelae)
15	METHIONINE	Seed	680.0	3017.0	-0.33511621096380556	--
65	MAGNESIUM	Seed	580.0	7000.0	1.6016677704610653	--
18	OLEIC-ACID	Seed	500.0	1680.0	-0.9652896250150863	--
13	MUFA	Seed	500.0	1680.0	-0.7794549980661318	--
28	CALCIUM	Seed	250.0	8600.0	0.8179356201966016	--
8	STEARIC-ACID	Seed	220.0	739.0	-0.5493562496934008	--
28	CALCIUM	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
112	ASCORBIC-ACID	Sprout Seedling	70.0	194.0	-0.9301554608062169	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	IRON	Leaf	23.0	821.0	1.1604413665178475	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	IRON	Seed	22.0	1000.0	3.9456754096489095	--
6	MYRISTIC-ACID	Seed	20.0	67.0	-0.2951261296538609	--
6	IRON	Sprout Seedling	13.0	228.0	2.073792630648015	--
39	NIACIN	Seed	10.0	49.5	0.19798273750765077	--
39	NIACIN	Sprout Seedling	8.0	56.0	-0.5317365686969346	--
14	MANGANESE	Seed	8.0	100.0	0.5789731987465522	--
77	ZINC	Seed	7.0	100.0	1.5577119469180905	--
1	SODIUM	Seed	5.0	269.0	-0.28870093305884625	--
12	COPPER	Seed	3.0	15.0	0.01682814208698858	--
11	PANTOTHENIC-ACID	Seed	2.3	16.0	-0.07785532199076041	--
31	THIAMIN	Seed	1.6	7.4	0.1946489656859541	--
15	RIBOFLAVIN	Sprout Seedling	1.4	3.9	-1.108146796514586	--
4	BORON	Seed	1.0	30.0	0.2793241380657447	--
5	ALUMINUM	Seed	0.44	3000.0	4.630050127611181	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	NICKEL	Seed	0.3	7.0	0.4299174580067636	--
15	RIBOFLAVIN	Seed	0.3	5.1	0.6039254891737816	--
53	BETA-CAROTENE	Sprout Seedling	0.3	0.8	-0.4606140559060844	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
32	DAIDZEIN	Seed	0.3	28.0	-0.38531802700702444	--
16	VANADIUM	Seed	0.22	3.0	2.2640915166491467	--
31	THIAMIN	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
53	BETA-CAROTENE	Seed	0.0	9.8	0.18328220133121417	USDA's Ag Handbook 8 and sequelae)
2	MOLYBDENUM	Seed	0.0	15.0	2.256828035241135	--
81	GENISTEIN	Seed	0.0	40.1	-0.30321411252522595	--
112	ASCORBIC-ACID	Seed	0.0	952.0	0.23307541788601452	--
2	COBALT	Seed	0.0	1.0	-0.16257255524625883	--
24	CHROMIUM	Seed	0.0	5.0	0.045935160498438064	--
13	COUMESTROL	Seed	0.0			--
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.
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.
81	GENISTEIN	Leaf Diffusate				--
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	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.

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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.
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	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.
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.
15	FIBER	Leaf		111000.0	-0.6249222392756235	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	DALBERGIODIN	Leaf Diffusate		12.0	1.0	--
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.
15	FIBER	Fruit		175000.0	0.314457685414015	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
4	PHOSPHORUS	Leaf		360.0	-0.8484475813664748	--
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	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.

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13	COUMESTROL	Root				--
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.
8	AMYGDALIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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.
13	COUMESTROL	Leaf		1200.0	1.0	--