

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	Fruit		175000.0	0.314457685414015	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Leaf		111000.0	-0.6249222392756235	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Seed	10000.0	84500.0	-0.3970101712098695	--
14	POTASSIUM	Seed	2950.0	39000.0	2.324341926317639	--
8	GLUTAMIC-ACID	Seed	8810.0	33820.0	-0.333021651306727	USDA's Ag Handbook 8 and sequelae)
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	ASPARTIC-ACID	Seed	7350.0	30802.0	0.7291156014800422	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Seed	5380.0	20595.0	0.33631282993834133	--
4	LYSINE	Seed	4520.0	19010.0	0.9361844799669995	--
15	FIBER	Sprout Seedling	6000.0	17000.0	-1.3976624547397958	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	SERINE	Seed	4270.0	15900.0	1.020671669330021	--
14	ARGININE	Seed	4580.0	15390.0	-0.391695611260045	USDA's Ag Handbook 8 and sequelae)
3	ISOLEUCINE	Seed	4400.0	14785.0	0.5478501539209853	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Seed	4270.0	14370.0	0.2904680497574405	--
4	PUFA	Seed	3090.0	14079.0	-0.6987597730103201	--
7	PHENYLALANINE	Seed	3370.0	13760.0	0.26505605059796544	--
3	ALANINE	Seed	2600.0	12190.0	0.4323402326407051	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Sprout Seedling	3820.0	10611.0	2.046625909896273	--
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)
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
27	LINOLEIC-ACID	Seed	2150.0	9509.0	-0.8363595595989931	--
4	PHOSPHORUS	Seed	1130.0	9000.0	0.9636592343249576	--
28	CALCIUM	Seed	250.0	8600.0	0.8179356201966016	--
8	TYROSINE	Seed	2200.0	8450.0	0.16419778773437388	--
7	HISTIDINE	Seed	2320.0	7796.0	0.44447546934882604	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Seed	580.0	7000.0	1.6016677704610653	--
13	LIGNIN	Seed	3400.0	6400.0	-0.6566021203023709	--
13	PALMITIC-ACID	Seed	1180.0	5813.0	-0.5796599980056426	--
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	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.
28	CALCIUM	Sprout Seedling	1090.0	3028.0	-0.3113957775064191	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
29	TRYPTOPHAN	Seed	900.0	3024.0	-0.10268270521142216	--
15	METHIONINE	Seed	680.0	3017.0	-0.33511621096380556	--
5	ALUMINUM	Seed	0.44	3000.0	4.630050127611181	--
28	CALCIUM	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	CYSTINE	Seed	830.0	2789.0	-0.25111403533042315	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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.
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.
18	OLEIC-ACID	Seed	500.0	1680.0	-0.9652896250150863	--
13	MUFA	Seed	500.0	1680.0	-0.7794549980661318	--
13	COUMESTROL	Leaf		1200.0	1.0	--
6	IRON	Seed	22.0	1000.0	3.9456754096489095	--
112	ASCORBIC-ACID	Seed	0.0	952.0	0.23307541788601452	--
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.
6	IRON	Leaf	23.0	821.0	1.1604413665178475	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
8	STEARIC-ACID	Seed	220.0	739.0	-0.5493562496934008	--
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	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
4	PHOSPHORUS	Leaf		360.0	-0.8484475813664748	--
1	SODIUM	Seed	5.0	269.0	-0.28870093305884625	--
6	IRON	Sprout Seedling	13.0	228.0	2.073792630648015	--
112	ASCORBIC-ACID	Sprout Seedling	70.0	194.0	-0.9301554608062169	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
77	ZINC	Seed	7.0	100.0	1.5577119469180905	--
14	MANGANESE	Seed	8.0	100.0	0.5789731987465522	--
6	MYRISTIC-ACID	Seed	20.0	67.0	-0.2951261296538609	--
39	NIACIN	Sprout Seedling	8.0	56.0	-0.5317365686969346	--
39	NIACIN	Seed	10.0	49.5	0.19798273750765077	--
81	GENISTEIN	Seed	0.0	40.1	-0.30321411252522595	--
4	BORON	Seed	1.0	30.0	0.2793241380657447	--
32	DAIDZEIN	Seed	0.3	28.0	-0.38531802700702444	--
11	PANTOTHENIC-ACID	Seed	2.3	16.0	-0.07785532199076041	--
2	MOLYBDENUM	Seed	0.0	15.0	2.256828035241135	--
12	COPPER	Seed	3.0	15.0	0.01682814208698858	--
3	DALBERGIODIN	Leaf Diffusate		12.0	1.0	--
53	BETA-CAROTENE	Seed	0.0	9.8	0.18328220133121417	USDA's Ag Handbook 8 and sequelae)
31	THIAMIN	Seed	1.6	7.4	0.1946489656859541	--
3	NICKEL	Seed	0.3	7.0	0.4299174580067636	--
15	RIBOFLAVIN	Seed	0.3	5.1	0.6039254891737816	--
24	CHROMIUM	Seed	0.0	5.0	0.045935160498438064	--
31	THIAMIN	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
15	RIBOFLAVIN	Sprout Seedling	1.4	3.9	-1.108146796514586	--
16	VANADIUM	Seed	0.22	3.0	2.2640915166491467	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	COBALT	Seed	0.0	1.0	-0.16257255524625883	--
53	BETA-CAROTENE	Sprout Seedling	0.3	0.8	-0.4606140559060844	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.
81	GENISTEIN	Leaf Diffusate				--
4	IRIGENIN	Shoot				--
13	COUMESTROL	Root				--