

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phaseolus lunatus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
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.
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	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	2,3-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	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	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	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	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.
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	ALANINE	Seed	2600.0	12190.0	0.4323402326407051	USDA's Ag Handbook 8 and sequelae)
5	ALUMINUM	Seed	0.44	3000.0	4.630050127611181	--
8	AMYGDALIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	ARGININE	Seed	4580.0	15390.0	-0.391695611260045	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
112	ASCORBIC-ACID	Seed	0.0	952.0	0.23307541788601452	--
3	ASPARTIC-ACID	Seed	7350.0	30802.0	0.7291156014800422	USDA's Ag Handbook 8 and sequelae)
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)
4	BORON	Seed	1.0	30.0	0.2793241380657447	--
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
24	CHROMIUM	Seed	0.0	5.0	0.045935160498438064	--
2	COBALT	Seed	0.0	1.0	-0.16257255524625883	--
12	COPPER	Seed	3.0	15.0	0.01682814208698858	--
13	COUMESTROL	Root				--
13	COUMESTROL	Seed	0.0			--
13	COUMESTROL	Leaf		1200.0	1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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	CYSTINE	Seed	830.0	2789.0	-0.25111403533042315	USDA's Ag Handbook 8 and sequelae)
32	DAIDZEIN	Seed	0.3	28.0	-0.38531802700702444	--
3	DALBERGIODIN	Leaf Diffusate		12.0	1.0	--
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
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				--
81	GENISTEIN	Seed	0.0	40.1	-0.30321411252522595	--
8	GLUTAMIC-ACID	Seed	8810.0	33820.0	-0.333021651306727	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Seed	2740.0	10090.0	-0.12465742701620912	USDA's Ag Handbook 8 and sequelae)
7	HISTIDINE	Seed	2320.0	7796.0	0.44447546934882604	USDA's Ag Handbook 8 and sequelae)
4	IRIGENIN	Shoot				--
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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ISOLEUCINE	Seed	4400.0	14785.0	0.5478501539209853	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Seed	5380.0	20595.0	0.33631282993834133	--
13	LIGNIN	Seed	3400.0	6400.0	-0.6566021203023709	--
27	LINOLEIC-ACID	Seed	2150.0	9509.0	-0.8363595595989931	--
4	LYSINE	Seed	4520.0	19010.0	0.9361844799669995	--
65	MAGNESIUM	Seed	580.0	7000.0	1.6016677704610653	--
14	MANGANESE	Seed	8.0	100.0	0.5789731987465522	--
15	METHIONINE	Seed	680.0	3017.0	-0.33511621096380556	--
2	MOLYBDENUM	Seed	0.0	15.0	2.256828035241135	--
13	MUFA	Seed	500.0	1680.0	-0.7794549980661318	--
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	--
3	NICKEL	Seed	0.3	7.0	0.4299174580067636	--
18	OLEIC-ACID	Seed	500.0	1680.0	-0.9652896250150863	--
13	PALMITIC-ACID	Seed	1180.0	5813.0	-0.5796599980056426	--
11	PANTOTHENIC-ACID	Seed	2.3	16.0	-0.07785532199076041	--
7	PHENYLALANINE	Seed	3370.0	13760.0	0.26505605059796544	--
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	--
14	POTASSIUM	Seed	2950.0	39000.0	2.324341926317639	--
4	PUFA	Seed	3090.0	14079.0	-0.6987597730103201	--
15	RIBOFLAVIN	Sprout Seedling	1.4	3.9	-1.108146796514586	--
15	RIBOFLAVIN	Seed	0.3	5.1	0.6039254891737816	--
1	SERINE	Seed	4270.0	15900.0	1.020671669330021	--
1	SODIUM	Seed	5.0	269.0	-0.28870093305884625	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
8	STEARIC-ACID	Seed	220.0	739.0	-0.5493562496934008	--
31	THIAMIN	Seed	1.6	7.4	0.1946489656859541	--
31	THIAMIN	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
4	THREONINE	Seed	2900.0	10320.0	0.48822411613852307	--
29	TRYPTOPHAN	Seed	900.0	3024.0	-0.10268270521142216	--
8	TYROSINE	Seed	2200.0	8450.0	0.16419778773437388	--
3	VALINE	Seed	4270.0	14370.0	0.2904680497574405	--
16	VANADIUM	Seed	0.22	3.0	2.2640915166491467	--
77	ZINC	Seed	7.0	100.0	1.5577119469180905	--