

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.
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.
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	Root				--
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.
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.
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	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.
81	GENISTEIN	Leaf Diffusate				--
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.
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
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	2,3-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.
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	2,3-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.
15	FIBER	Sprout Seedling	6000.0	17000.0	-1.3976624547397958	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Sprout Seedling	1.4	3.9	-1.108146796514586	--
28	CALCIUM	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
18	OLEIC-ACID	Seed	500.0	1680.0	-0.9652896250150863	--
112	ASCORBIC-ACID	Sprout Seedling	70.0	194.0	-0.9301554608062169	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
31	THIAMIN	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
4	PHOSPHORUS	Leaf		360.0	-0.8484475813664748	--
27	LINOLEIC-ACID	Seed	2150.0	9509.0	-0.8363595595989931	--
13	MUFA	Seed	500.0	1680.0	-0.7794549980661318	--
4	PUFA	Seed	3090.0	14079.0	-0.6987597730103201	--
13	LIGNIN	Seed	3400.0	6400.0	-0.6566021203023709	--
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
13	PALMITIC-ACID	Seed	1180.0	5813.0	-0.5796599980056426	--
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.
8	STEARIC-ACID	Seed	220.0	739.0	-0.5493562496934008	--
39	NIACIN	Sprout Seedling	8.0	56.0	-0.5317365686969346	--
53	BETA-CAROTENE	Sprout Seedling	0.3	0.8	-0.4606140559060844	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Seed	10000.0	84500.0	-0.3970101712098695	--
14	ARGININE	Seed	4580.0	15390.0	-0.391695611260045	USDA's Ag Handbook 8 and sequelae)
32	DAIDZEIN	Seed	0.3	28.0	-0.38531802700702444	--
15	METHIONINE	Seed	680.0	3017.0	-0.33511621096380556	--
8	GLUTAMIC-ACID	Seed	8810.0	33820.0	-0.333021651306727	USDA's Ag Handbook 8 and sequelae)
28	CALCIUM	Sprout Seedling	1090.0	3028.0	-0.3113957775064191	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
81	GENISTEIN	Seed	0.0	40.1	-0.30321411252522595	--
6	MYRISTIC-ACID	Seed	20.0	67.0	-0.2951261296538609	--
1	SODIUM	Seed	5.0	269.0	-0.28870093305884625	--
2	CYSTINE	Seed	830.0	2789.0	-0.25111403533042315	USDA's Ag Handbook 8 and sequelae)
2	COBALT	Seed	0.0	1.0	-0.16257255524625883	--
12	GLYCINE	Seed	2740.0	10090.0	-0.12465742701620912	USDA's Ag Handbook 8 and sequelae)
29	TRYPTOPHAN	Seed	900.0	3024.0	-0.10268270521142216	--
11	PANTOTHENIC-ACID	Seed	2.3	16.0	-0.07785532199076041	--
12	COPPER	Seed	3.0	15.0	0.01682814208698858	--
24	CHROMIUM	Seed	0.0	5.0	0.045935160498438064	--
8	TYROSINE	Seed	2200.0	8450.0	0.16419778773437388	--
53	BETA-CAROTENE	Seed	0.0	9.8	0.18328220133121417	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	THIAMIN	Seed	1.6	7.4	0.1946489656859541	--
39	NIACIN	Seed	10.0	49.5	0.19798273750765077	--
112	ASCORBIC-ACID	Seed	0.0	952.0	0.23307541788601452	--
7	PHENYLALANINE	Seed	3370.0	13760.0	0.26505605059796544	--
4	BORON	Seed	1.0	30.0	0.2793241380657447	--
3	VALINE	Seed	4270.0	14370.0	0.2904680497574405	--
15	FIBER	Fruit		175000.0	0.314457685414015	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	LEUCINE	Seed	5380.0	20595.0	0.33631282993834133	--
3	NICKEL	Seed	0.3	7.0	0.4299174580067636	--
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)
4	THREONINE	Seed	2900.0	10320.0	0.48822411613852307	--
3	ISOLEUCINE	Seed	4400.0	14785.0	0.5478501539209853	USDA's Ag Handbook 8 and sequelae)
14	MANGANESE	Seed	8.0	100.0	0.5789731987465522	--
15	RIBOFLAVIN	Seed	0.3	5.1	0.6039254891737816	--
3	ASPARTIC-ACID	Seed	7350.0	30802.0	0.7291156014800422	USDA's Ag Handbook 8 and sequelae)
28	CALCIUM	Seed	250.0	8600.0	0.8179356201966016	--
4	LYSINE	Seed	4520.0	19010.0	0.9361844799669995	--
4	PHOSPHORUS	Seed	1130.0	9000.0	0.9636592343249576	--
3	DALBERGIODIN	Leaf Diffusate		12.0	1.0	--
13	COUMESTROL	Leaf		1200.0	1.0	--
1	SERINE	Seed	4270.0	15900.0	1.020671669330021	--
6	IRON	Leaf	23.0	821.0	1.1604413665178475	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
77	ZINC	Seed	7.0	100.0	1.5577119469180905	--
65	MAGNESIUM	Seed	580.0	7000.0	1.6016677704610653	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
4	PHOSPHORUS	Sprout Seedling	3820.0	10611.0	2.046625909896273	--
6	IRON	Sprout Seedling	13.0	228.0	2.073792630648015	--
2	MOLYBDENUM	Seed	0.0	15.0	2.256828035241135	--
16	VANADIUM	Seed	0.22	3.0	2.2640915166491467	--
14	POTASSIUM	Seed	2950.0	39000.0	2.324341926317639	--
6	IRON	Seed	22.0	1000.0	3.9456754096489095	--
5	ALUMINUM	Seed	0.44	3000.0	4.630050127611181	--