

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phaseolus lunatus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1'',2''-DEHYDROCYCLOKIEVITON E	Leaf		5600.0		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.
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.
0	2'-METHOXYGENISTEIN	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)KIEVITON E	Leaf		9700.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
0	3-HYDROXY-4'-METHOXYFLAVONE	Shoot				--
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.

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.
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	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)
0	ALPHA-LINOLEIC-ACID	Seed	950.0	4570.0	-1.1760076321649213	--
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	--
0	ASH	Sprout Seedling	22000.0	61000.0	-0.08467155315304167	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Seed	15000.0	100000.0	1.5676426558251149	--
0	ASH	Leaf	5000.0	179000.0	1.059739339830703	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Fruit		40000.0	-0.4315138599096578	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ASPARTIC-ACID	Seed	7350.0	30802.0	0.7291156014800422	USDA's Ag Handbook 8 and sequelae)
0	BARIUM	Seed	1.0	30.0	-0.23022161672747324	--
53	BETA-CAROTENE	Sprout Seedling	0.3	0.8	-0.4606140559060844	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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
0	CARBOHYDRATES	Sprout Seedling	200000.0	556000.0	-0.11566411833728583	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Seed	201000.0	731000.0	0.8250352521602637	--
0	CARBOHYDRATES	Leaf	17000.0	674000.0	0.49425767892588474	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Fruit		766000.0	-0.0902750066674574	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	--
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	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Sprout Seedling	2900.0	22000.0	-0.624201906684424	--
0	FAT	Seed	1000.0	28898.0	-1.2456752692012885	--
0	FAT	Leaf	0.0	48000.0	-0.16862267810970435	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Fruit		6000.0	-0.5954245724262762	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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
0	GARBANZOL	Shoot				--
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)
0	GLUTAMYL-5-METHYLCYSTEINE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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)
0	HYDROXYGENISTEIN	Leaf Diffusate		4.0	-1.0042632195254433	--
4	IRIGENIN	Shoot				--
6	IRON	Sprout Seedling	13.0	228.0	2.073792630648015	--
6	IRON	Seed	22.0	1000.0	3.9456754096489095	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Leaf	23.0	821.0	1.1604413665178475	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ISOFERREIRIN	Leaf		1100.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
3	ISOLEUCINE	Seed	4400.0	14785.0	0.5478501539209853	USDA's Ag Handbook 8 and sequelae)
0	KILOCALORIES	Leaf	80.0	2860.0	-0.2548146676073852	--
0	KILOCALORIES	Sprout Seedling	100.0	3060.0	-1.0461169193597875	--
0	KILOCALORIES	Seed	1130.0	3840.0	-0.7973418967888913	--
0	LEAD	Seed	0.4	5.0	0.7501092826491648	--
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	--
0	PHASEOLUNATIN	Seed				--
7	PHENYLALANINE	Seed	3370.0	13760.0	0.26505605059796544	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
4	PHOSPHORUS	Sprout Seedling	3820.0	10611.0	2.046625909896273	--
4	PHOSPHORUS	Seed	1130.0	9000.0	0.9636592343249576	--
4	PHOSPHORUS	Leaf		360.0	-0.8484475813664748	--
14	POTASSIUM	Seed	2950.0	39000.0	2.324341926317639	--
0	PROLINE	Seed	1020.0	10855.0	-0.09446949370222676	--
0	PROTEIN	Fruit		188000.0	1.0523462069938174	--
0	PROTEIN	Sprout Seedling	130000.0	361000.0	0.4725709176557974	--
0	PROTEIN	Seed	68400.0	287000.0	0.4732765325212745	--
0	PROTEIN	Leaf	6000.0	214000.0	0.021497714576003205	--
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	--
0	S-METHYL-CYSTEINE	Plant				--
1	SERINE	Seed	4270.0	15900.0	1.020671669330021	--
0	SFA	Seed	1620.0	6653.0	-0.5130672923462005	--
1	SODIUM	Seed	5.0	269.0	-0.28870093305884625	--
8	STEARIC-ACID	Seed	220.0	739.0	-0.5493562496934008	--
0	STRONTIUM	Seed	1.0	100.0	2.458461267539286	--
31	THIAMIN	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
31	THIAMIN	Seed	1.6	7.4	0.1946489656859541	--
4	THREONINE	Seed	2900.0	10320.0	0.48822411613852307	--
0	TITANIUM	Seed	0.0	20.0	0.06479285650349677	--
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	--
0	VIT-B-6	Seed	2.0	7.2	0.9735016974675352	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	WATER	Sprout Seedling		640000.0	-1.6726424699664966	--
0	WATER	Seed	46900.0	702400.0	1.8219784118561275	--
0	WATER	Leaf		972000.0	0.8200006464526265	--
77	ZINC	Seed	7.0	100.0	1.5577119469180905	--
0	ZIRCONIUM	Seed	0.9	7.0	2.195044244331477	--