

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phaseolus lunatus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
5	ALUMINUM	Seed	0.44	3000.0	4.630050127611181	--
6	IRON	Seed	22.0	1000.0	3.9456754096489095	--
0	STRONTIUM	Seed	1.0	100.0	2.458461267539286	--
14	POTASSIUM	Seed	2950.0	39000.0	2.324341926317639	--
16	VANADIUM	Seed	0.22	3.0	2.2640915166491467	--
2	MOLYBDENUM	Seed	0.0	15.0	2.256828035241135	--
0	ZIRCONIUM	Seed	0.9	7.0	2.195044244331477	--
6	IRON	Sprout Seedling	13.0	228.0	2.073792630648015	--
4	PHOSPHORUS	Sprout Seedling	3820.0	10611.0	2.046625909896273	--
0	WATER	Seed	46900.0	702400.0	1.8219784118561275	--
65	MAGNESIUM	Seed	580.0	7000.0	1.6016677704610653	--
0	ASH	Seed	15000.0	100000.0	1.5676426558251149	--
77	ZINC	Seed	7.0	100.0	1.5577119469180905	--
6	IRON	Leaf	23.0	821.0	1.1604413665178475	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Leaf	5000.0	179000.0	1.059739339830703	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Fruit		188000.0	1.0523462069938174	--
1	SERINE	Seed	4270.0	15900.0	1.020671669330021	--
13	COUMESTROL	Leaf		1200.0	1.0	--
3	DALBERGIODIN	Leaf Diffusate		12.0	1.0	--
0	VIT-B-6	Seed	2.0	7.2	0.9735016974675352	--
4	PHOSPHORUS	Seed	1130.0	9000.0	0.9636592343249576	--
4	LYSINE	Seed	4520.0	19010.0	0.9361844799669995	--
0	CARBOHYDRATES	Seed	201000.0	731000.0	0.8250352521602637	--
0	WATER	Leaf		972000.0	0.8200006464526265	--
28	CALCIUM	Seed	250.0	8600.0	0.8179356201966016	--
0	LEAD	Seed	0.4	5.0	0.7501092826491648	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ASPARTIC-ACID	Seed	7350.0	30802.0	0.7291156014800422	USDA's Ag Handbook 8 and sequelae)
15	RIBOFLAVIN	Seed	0.3	5.1	0.6039254891737816	--
14	MANGANESE	Seed	8.0	100.0	0.5789731987465522	--
3	ISOLEUCINE	Seed	4400.0	14785.0	0.5478501539209853	USDA's Ag Handbook 8 and sequelae)
0	CARBOHYDRATES	Leaf	17000.0	674000.0	0.49425767892588474	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	THREONINE	Seed	2900.0	10320.0	0.48822411613852307	--
0	PROTEIN	Seed	68400.0	287000.0	0.4732765325212745	--
0	PROTEIN	Sprout Seedling	130000.0	361000.0	0.4725709176557974	--
7	HISTIDINE	Seed	2320.0	7796.0	0.44447546934882604	USDA's Ag Handbook 8 and sequelae)
3	ALANINE	Seed	2600.0	12190.0	0.4323402326407051	USDA's Ag Handbook 8 and sequelae)
3	NICKEL	Seed	0.3	7.0	0.4299174580067636	--
2	LEUCINE	Seed	5380.0	20595.0	0.33631282993834133	--
15	FIBER	Fruit		175000.0	0.314457685414015	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	VALINE	Seed	4270.0	14370.0	0.2904680497574405	--
4	BORON	Seed	1.0	30.0	0.2793241380657447	--
7	PHENYLALANINE	Seed	3370.0	13760.0	0.26505605059796544	--
112	ASCORBIC-ACID	Seed	0.0	952.0	0.23307541788601452	--
39	NIACIN	Seed	10.0	49.5	0.19798273750765077	--
31	THIAMIN	Seed	1.6	7.4	0.1946489656859541	--
53	BETA-CAROTENE	Seed	0.0	9.8	0.18328220133121417	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Seed	2200.0	8450.0	0.16419778773437388	--
0	TITANIUM	Seed	0.0	20.0	0.06479285650349677	--
24	CHROMIUM	Seed	0.0	5.0	0.045935160498438064	--
0	PROTEIN	Leaf	6000.0	214000.0	0.021497714576003205	--
12	COPPER	Seed	3.0	15.0	0.01682814208698858	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	PANTOTHENIC-ACID	Seed	2.3	16.0	-0.07785532199076041	--
0	ASH	Sprout Seedling	22000.0	61000.0	-0.08467155315304167	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
0	PROLINE	Seed	1020.0	10855.0	-0.09446949370222676	--
29	TRYPTOPHAN	Seed	900.0	3024.0	-0.10268270521142216	--
0	CARBOHYDRATES	Sprout Seedling	200000.0	556000.0	-0.11566411833728583	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
12	GLYCINE	Seed	2740.0	10090.0	-0.12465742701620912	USDA's Ag Handbook 8 and sequelae)
2	COBALT	Seed	0.0	1.0	-0.16257255524625883	--
0	FAT	Leaf	0.0	48000.0	-0.16862267810970435	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	BARIUM	Seed	1.0	30.0	-0.23022161672747324	--
2	CYSTINE	Seed	830.0	2789.0	-0.25111403533042315	USDA's Ag Handbook 8 and sequelae)
0	KILOCALORIES	Leaf	80.0	2860.0	-0.2548146676073852	--
1	SODIUM	Seed	5.0	269.0	-0.28870093305884625	--
6	MYRISTIC-ACID	Seed	20.0	67.0	-0.2951261296538609	--
81	GENISTEIN	Seed	0.0	40.1	-0.30321411252522595	--
28	CALCIUM	Sprout Seedling	1090.0	3028.0	-0.3113957775064191	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	GLUTAMIC-ACID	Seed	8810.0	33820.0	-0.333021651306727	USDA's Ag Handbook 8 and sequelae)
15	METHIONINE	Seed	680.0	3017.0	-0.33511621096380556	--
32	DAIDZEIN	Seed	0.3	28.0	-0.38531802700702444	--
14	ARGININE	Seed	4580.0	15390.0	-0.391695611260045	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Seed	10000.0	84500.0	-0.3970101712098695	--
0	ASH	Fruit		40000.0	-0.4315138599096578	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	Sprout Seedling	0.3	0.8	-0.4606140559060844	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	SFA	Seed	1620.0	6653.0	-0.5130672923462005	--
39	NIACIN	Sprout Seedling	8.0	56.0	-0.5317365686969346	--
8	STEARIC-ACID	Seed	220.0	739.0	-0.5493562496934008	--
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.
13	PALMITIC-ACID	Seed	1180.0	5813.0	-0.5796599980056426	--
0	FAT	Fruit		6000.0	-0.5954245724262762	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Sprout Seedling	2900.0	22000.0	-0.624201906684424	--
15	FIBER	Leaf		111000.0	-0.6249222392756235	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	LIGNIN	Seed	3400.0	6400.0	-0.6566021203023709	--
4	PUFA	Seed	3090.0	14079.0	-0.6987597730103201	--
13	MUFA	Seed	500.0	1680.0	-0.7794549980661318	--
0	KILOCALORIES	Seed	1130.0	3840.0	-0.7973418967888913	--
27	LINOLEIC-ACID	Seed	2150.0	9509.0	-0.8363595595989931	--
4	PHOSPHORUS	Leaf		360.0	-0.8484475813664748	--
31	THIAMIN	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
112	ASCORBIC-ACID	Sprout Seedling	70.0	194.0	-0.9301554608062169	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
18	OLEIC-ACID	Seed	500.0	1680.0	-0.9652896250150863	--
0	HYDROXYGENISTEIN	Leaf Diffusate		4.0	-1.0042632195254433	--
0	KILOCALORIES	Sprout Seedling	100.0	3060.0	-1.0461169193597875	--
28	CALCIUM	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Sprout Seedling	1.4	3.9	-1.108146796514586	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALPHA-LINOLEIC-ACID	Seed	950.0	4570.0	-1.1760076321649213	--
0	FAT	Seed	1000.0	28898.0	-1.2456752692012885	--
15	FIBER	Sprout Seedling	6000.0	17000.0	-1.3976624547397958	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	WATER	Sprout Seedling		640000.0	-1.6726424699664966	--
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.
0	S-METHYL-CYSTEINE	Plant				--
13	COUMESTROL	Seed	0.0			--
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.
8	AMYGDALIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PHASEOLUNATIN	Seed				--
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.
0	3-HYDROXY-4'-METHOXYFLAVONE	Shoot				--
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'-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.

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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.
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.
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	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.
4	IRIGENIN	Shoot				--
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.
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.
0	GARBANZOL	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.
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	GLUTAMYL-5-METHYLCYSTEINE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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	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.
13	COUMESTROL	Root				--