

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phaseolus lunatus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Seed	0.0	952.0	0.23307541788601452	--
112	ASCORBIC-ACID	Sprout Seedling	70.0	194.0	-0.9301554608062169	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	--
77	ZINC	Seed	7.0	100.0	1.5577119469180905	--
65	MAGNESIUM	Seed	580.0	7000.0	1.6016677704610653	--
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)
39	NIACIN	Sprout Seedling	8.0	56.0	-0.5317365686969346	--
39	NIACIN	Seed	10.0	49.5	0.19798273750765077	--
32	DAIDZEIN	Seed	0.3	28.0	-0.38531802700702444	--
31	THIAMIN	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
31	THIAMIN	Seed	1.6	7.4	0.1946489656859541	--
29	TRYPTOPHAN	Seed	900.0	3024.0	-0.10268270521142216	--
28	CALCIUM	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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	--
27	LINOLEIC-ACID	Seed	2150.0	9509.0	-0.8363595595989931	--
24	CHROMIUM	Seed	0.0	5.0	0.045935160498438064	--
18	OLEIC-ACID	Seed	500.0	1680.0	-0.9652896250150863	--
16	VANADIUM	Seed	0.22	3.0	2.2640915166491467	--
15	RIBOFLAVIN	Sprout Seedling	1.4	3.9	-1.108146796514586	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	METHIONINE	Seed	680.0	3017.0	-0.33511621096380556	--
15	RIBOFLAVIN	Seed	0.3	5.1	0.6039254891737816	--
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
14	POTASSIUM	Seed	2950.0	39000.0	2.324341926317639	--
14	ARGININE	Seed	4580.0	15390.0	-0.391695611260045	USDA's Ag Handbook 8 and sequelae)
14	MANGANESE	Seed	8.0	100.0	0.5789731987465522	--
13	MUFA	Seed	500.0	1680.0	-0.7794549980661318	--
13	COUMESTROL	Root				--
13	COUMESTROL	Seed	0.0			--
13	COUMESTROL	Leaf		1200.0	1.0	--
13	PALMITIC-ACID	Seed	1180.0	5813.0	-0.5796599980056426	--
13	LIGNIN	Seed	3400.0	6400.0	-0.6566021203023709	--
12	COPPER	Seed	3.0	15.0	0.01682814208698858	--
12	GLYCINE	Seed	2740.0	10090.0	-0.12465742701620912	USDA's Ag Handbook 8 and sequelae)
11	PANTOTHENIC-ACID	Seed	2.3	16.0	-0.07785532199076041	--
8	GLUTAMIC-ACID	Seed	8810.0	33820.0	-0.333021651306727	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Seed	2200.0	8450.0	0.16419778773437388	--
8	AMYGDALIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	STEARIC-ACID	Seed	220.0	739.0	-0.5493562496934008	--
7	PHENYLALANINE	Seed	3370.0	13760.0	0.26505605059796544	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	HISTIDINE	Seed	2320.0	7796.0	0.44447546934882604	USDA's Ag Handbook 8 and sequelae)
6	MYRISTIC-ACID	Seed	20.0	67.0	-0.2951261296538609	--
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
5	ALUMINUM	Seed	0.44	3000.0	4.630050127611181	--
4	PHOSPHORUS	Sprout Seedling	3820.0	10611.0	2.046625909896273	--
4	BORON	Seed	1.0	30.0	0.2793241380657447	--
4	PHOSPHORUS	Seed	1130.0	9000.0	0.9636592343249576	--
4	PHOSPHORUS	Leaf		360.0	-0.8484475813664748	--
4	THREONINE	Seed	2900.0	10320.0	0.48822411613852307	--
4	PUFA	Seed	3090.0	14079.0	-0.6987597730103201	--
4	LYSINE	Seed	4520.0	19010.0	0.9361844799669995	--
4	IRIGENIN	Shoot				--
3	VALINE	Seed	4270.0	14370.0	0.2904680497574405	--
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	ISOLEUCINE	Seed	4400.0	14785.0	0.5478501539209853	USDA's Ag Handbook 8 and sequelae)
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.
3	ASPARTIC-ACID	Seed	7350.0	30802.0	0.7291156014800422	USDA's Ag Handbook 8 and sequelae)
3	ALANINE	Seed	2600.0	12190.0	0.4323402326407051	USDA's Ag Handbook 8 and sequelae)

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	NICKEL	Seed	0.3	7.0	0.4299174580067636	--
3	DALBERGIODIN	Leaf Diffusate		12.0	1.0	--
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	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.
2	CYSTINE	Seed	830.0	2789.0	-0.25111403533042315	USDA's Ag Handbook 8 and sequelae)
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	MOLYBDENUM	Seed	0.0	15.0	2.256828035241135	--
2	COBALT	Seed	0.0	1.0	-0.16257255524625883	--
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.
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.
2	LEUCINE	Seed	5380.0	20595.0	0.33631282993834133	--
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.

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.
1	SERINE	Seed	4270.0	15900.0	1.020671669330021	--
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.
1	SODIUM	Seed	5.0	269.0	-0.28870093305884625	--
0	FAT	Fruit		6000.0	-0.5954245724262762	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	KILOCALORIES	Sprout Seedling	100.0	3060.0	-1.0461169193597875	--
0	KILOCALORIES	Seed	1130.0	3840.0	-0.7973418967888913	--
0	S-METHYL-CYSTEINE	Plant				--
0	KILOCALORIES	Leaf	80.0	2860.0	-0.2548146676073852	--
0	TITANIUM	Seed	0.0	20.0	0.06479285650349677	--
0	PHASEOLUNATIN	Seed				--
0	ZIRCONIUM	Seed	0.9	7.0	2.195044244331477	--
0	3-HYDROXY-4'-METHOXYFLAVONE	Shoot				--
0	BARIUM	Seed	1.0	30.0	-0.23022161672747324	--
0	ALPHA-LINOLEIC-ACID	Seed	950.0	4570.0	-1.1760076321649213	--
0	CARBOHYDRATES	Sprout Seedling	200000.0	556000.0	-0.11566411833728583	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Sprout Seedling	130000.0	361000.0	0.4725709176557974	--
0	CARBOHYDRATES	Seed	201000.0	731000.0	0.8250352521602637	--
0	WATER	Sprout Seedling		640000.0	-1.6726424699664966	--
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.

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0	ASH	Sprout Seedling	22000.0	61000.0	-0.08467155315304167	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Seed	68400.0	287000.0	0.4732765325212745	--
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.
0	CARBOHYDRATES	Leaf	17000.0	674000.0	0.49425767892588474	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	WATER	Seed	46900.0	702400.0	1.8219784118561275	--
0	HYDROXYGENISTEIN	Leaf Diffusate		4.0	-1.0042632195254433	--
0	ASH	Seed	15000.0	100000.0	1.5676426558251149	--
0	STRONTIUM	Seed	1.0	100.0	2.458461267539286	--
0	PROTEIN	Leaf	6000.0	214000.0	0.021497714576003205	--
0	FAT	Sprout Seedling	2900.0	22000.0	-0.624201906684424	--
0	CARBOHYDRATES	Fruit		766000.0	-0.0902750066674574	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	WATER	Leaf		972000.0	0.8200006464526265	--
0	ASH	Leaf	5000.0	179000.0	1.059739339830703	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Seed	1000.0	28898.0	-1.2456752692012885	--
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	PROTEIN	Fruit		188000.0	1.0523462069938174	--
0	VIT-B-6	Seed	2.0	7.2	0.9735016974675352	--
0	GARBANZOL	Shoot				--
0	ASH	Fruit		40000.0	-0.4315138599096578	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Leaf	0.0	48000.0	-0.16862267810970435	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROLINE	Seed	1020.0	10855.0	-0.09446949370222676	--
0	LEAD	Seed	0.4	5.0	0.7501092826491648	--
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.
0	SFA	Seed	1620.0	6653.0	-0.5130672923462005	--