

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Chemicals found in *Canavalia ensiformis***

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	ALANINE	Seed				--
14	ARGININE	Seed				--
2	ARSENIC	Seed		0.02	-0.6237689826185465	--
112	ASCORBIC-ACID	Seed	0.0	23.0	-0.3246486223374956	--
112	ASCORBIC-ACID	Fruit	320.0	1488.0	-0.19196964029238478	--
0	ASH	Seed	29000.0	48000.0	0.003605897683216254	--
0	ASH	Fruit	6000.0	53000.0	-0.09487434337055671	--
0	BETA-AMINOPROPIONITRILE	Seed				--
53	BETA-CAROTENE	Seed	0.0	0.2	-0.41680672721968065	--
53	BETA-CAROTENE	Fruit	0.24	2.2	-0.1465480687685324	--
2	BETONICINE	Seed				--
28	CALCIUM	Seed	960.0	3090.0	-0.19401967312980825	--
28	CALCIUM	Fruit	330.0	5263.0	0.32461375359706246	--
2	CANALINE	Seed				--
14	CANAVANINE	Seed				--
0	CANEINE	Seed				--
0	CARBOHYDRATES	Seed	538000.0	687000.0	0.650170363047183	--
0	CARBOHYDRATES	Fruit	79000.0	902000.0	0.6369868845016534	--
20	CHOLINE	Seed				--
3	CONCANAVALIN-A	Seed				--
12	COPPER	Seed	7.0	8.0	-0.6181060132518703	--
0	DESAMINOCANAVANINE	Seed				--
0	FAT	Seed	23000.0	36000.0	-1.20826649482163	--
0	FAT	Fruit	2000.0	26000.0	-0.44266618116159695	--
15	FIBER	Seed	49000.0	99000.0	-0.2825156947289888	--
15	FIBER	Fruit	18000.0	481000.0	3.2020207786924106	--
81	GENISTEIN	Leaf Diffusate		6.0	-0.49305499400601877	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
12	GLYCINE	Seed				--
0	HYDROXYGENISTEIN	Leaf Diffusate				--
6	IRON	Seed	12.0	97.0	-0.24993923900809273	--
6	IRON	Fruit	12.0	175.0	0.1666896512646481	--
0	KILOCALORIES	Fruit	340.0	3810.0	0.2269856982129148	--
0	KILOCALORIES	Seed	3310.0	3920.0	-0.7347307403418916	--
0	KITOGINE	Seed				--
0	L-(-)-HOMOSERINE	Seed				--
0	L-ALPHA-AMINO-DELTA-HYDROXYVALERIANIC-ACID	Seed				--
65	MAGNESIUM	Seed		2190.0	-0.2987316918027977	--
14	MANGANESE	Seed		11.0	-0.5296776809784071	--
39	NIACIN	Seed	18.0	35.0	-0.23606188422855112	--
39	NIACIN	Fruit	20.0	93.0	0.43182016840240234	--
4	PHOSPHORUS	Seed	2700.0	3898.0	-0.384590272115793	--
4	PHOSPHORUS	Fruit	100.0	3509.0	0.08899738227593261	--
14	POTASSIUM	Seed	7500.0	16600.0	0.3544074810784622	--
0	PROTEIN	Seed	210000.0	363000.0	1.149335891252333	--
0	PROTEIN	Fruit	27000.0	321000.0	2.8352690409153483	--
15	RIBOFLAVIN	Seed	1.3	1.7	-0.6991387592002618	--
15	RIBOFLAVIN	Fruit	1.0	4.7	-0.06624160651206927	--
1	SERINE	Seed				--
1	SODIUM	Seed	23.0	394.0	-0.09027366743989515	--
31	THIAMIN	Seed	4.6	8.6	0.48094878965453075	--
31	THIAMIN	Fruit	1.0	10.0	0.5974378588358942	--
15	TRIGONELLINE	Seed				--
0	WATER	Seed	107000.0	120000.0	-0.41293332620686607	--
0	WATER	Fruit	785000.0	886000.0	0.5018755015736748	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
77	ZINC	Seed		20.0	-0.7135039207289134	--