

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for ARGININE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucurbita foetidissima	Seed	39900.0	143000.0	5.011780683682312	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Rehmannia glutinosa	Root	42000.0	87000.0	3.8128933212626968	--
Helianthus annuus	Seed	24030.0	82000.0	2.428816543007727	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Seed	40330.0	81280.0	2.3983290974128795	--
Aloe vera	Leaf		78216.0	4.040361114705058	--
Pinus pinea	Seed	46680.0	71600.0	1.988442328859929	--
Ceratonia siliqua	Seed		55460.0	1.305015423442096	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Nigella sativa	Seed	41500.0	53050.0	1.2029671680482314	--
Juglans cinerea	Seed	48620.0	50300.0	1.0865220633456887	--
Citrullus lanatus	Seed		46600.0	0.929850467927722	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Lupinus albus	Seed	38770.0	44400.0	0.8366943841656878	--
Acacia farnesiana	Leaf	7360.0	39480.0	1.3871175969782887	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sesamum indicum	Seed	15800.0	39000.0	0.6080385422043314	--
Juglans nigra	Seed	36610.0	38280.0	0.5775510966094838	USDA's Ag Handbook 8 and sequelae)
Arachis hypogaea	Seed	31280.0	37022.0	0.5242827541673751	--
Cnidioscolus chayamansa	Leaf	6945.0	34720.0	1.06107879213578	--
Glycine max	Seed	28310.0	30950.0	0.2671719629841607	USDA's Ag Handbook 8 and sequelae)
Allium sativum var. sativum	Bulb	81.0	30316.0	1.0	--
Nasturtium officinale	Herb	1500.0	30000.0	1.0	USDA's Ag Handbook 8 and sequelae)
Trigonella foenum-graecum	Seed	22230.0	27115.0	0.10478397151716012	--
Opuntia ficus-indica	Seed		27100.0	0.10414881640060081	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Brassica nigra	Leaf	1810.0	26657.0	0.5087991947733539	USDA's Ag Handbook 8 and sequelae)
Mucuna pruriens	Seed	12350.0	26180.0	0.06519263591829559	--
Prunus dulcis	Seed	24950.0	26098.0	0.061720454614437946	USDA's Ag Handbook 8 and sequelae)
Allium schoenoprasum	Leaf	2020.0	25350.0	0.41927551453613565	USDA's Ag Handbook 8 and sequelae)
Moringa oleifera	Shoot	5320.0	24930.0	1.0	USDA's Ag Handbook 8 and sequelae)
Bertholletia excelsa	Seed	23900.0	24727.0	0.0036672769609157104	--
Phaseolus vulgaris	Sprout Seedling	2280.0	24516.0	1.410637937281947	USDA's Ag Handbook 8 and sequelae)
Lens culinaris	Seed	21680.0	24400.0	-0.010179104580077558	USDA's Ag Handbook 8 and sequelae)
Vicia faba	Seed	4630.0	24370.0	-0.011449414813196206	USDA's Ag Handbook 8 and sequelae)
Pinus edulis	Seed	22510.0	23920.0	-0.030504068309975933	USDA's Ag Handbook 8 and sequelae)
Pistacia vera	Seed	21860.0	22740.0	-0.0804696041459761	--
Papaver bracteatum	Seed	18300.0	21650.0	-0.12662420928262033	--
Papaver somniferum	Seed	19950.0	21401.0	-0.1371677842175051	--
Vigna radiata	Sprout Seedling	1970.0	20693.0	-0.6182818649110114	USDA's Ag Handbook 8 and sequelae)
Psophocarpus tetragonolobus	Seed	18860.0	20576.0	-0.17210131562826794	--
Cicer arietinum	Seed	11500.0	20560.0	-0.17277881441926457	--
Lens culinaris	Sprout Seedling	6110.0	20365.0	-0.7923560723709357	USDA's Ag Handbook 8 and sequelae)
Pisum sativum	Seed	4280.0	20246.0	-0.1860747281925731	--
Corchorus olitorius	Leaf	1830.0	20185.0	0.06549601306311933	--
Ipomoea aquatica	Leaf	1480.0	19655.0	0.02919337302813411	--
Lablab purpureus	Seed	880.0	19365.0	-0.22337950537182405	--
Spinacia oleracea	Plant	1620.0	19239.0	1.2761740025274024	USDA's Ag Handbook 8 and sequelae)
Sinapis alba	Seed	17500.0	18725.0	-0.25047945701168856	--
Vigna unguiculata	Seed	2070.0	18500.0	-0.2600067837600784	USDA's Ag Handbook 8 and sequelae)
Asparagus officinalis	Shoot	1430.0	18452.0	-1.0	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Vigna unguiculata</i>	Seed	16850.0	18401.0	-0.26419880752937	USDA's Ag Handbook 8 and sequelae)
<i>Vigna radiata</i>	Seed	16720.0	18383.0	-0.26496099366924114	USDA's Ag Handbook 8 and sequelae)
<i>Brassica chinensis</i>	Leaf	840.0	17951.0	-0.0875230394617054	--
<i>Brassica rapa</i>	Leaf	840.0	17951.0	-0.0875230394617054	USDA's Ag Handbook 8 and sequelae)
<i>Anacardium occidentale</i>	Seed	17410.0	17711.0	-0.2934159428910989	--
<i>Panax quinquefolius</i>	Plant	11530.0	17615.0	1.003029083943788	--
<i>Allium cepa</i>	Bulb	1580.0	17222.0	-1.0	USDA's Ag Handbook 8 and sequelae)
<i>Vigna unguiculata</i>	Fruit	1960.0	16131.0	3.1531669404365434	USDA's Ag Handbook 8 and sequelae)
<i>Chenopodium album</i>	Plant	2530.0	16116.0	0.750908250842287	--
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Leaf	1450.0	15573.0	-0.25040545078848814	--
<i>Brassica oleracea</i> var. <i>italica</i>	Leaf	1450.0	15573.0	-0.25040545078848814	USDA's Ag Handbook 8 and sequelae)
<i>Phaseolus lunatus</i>	Seed	4580.0	15390.0	-0.391695611260045	USDA's Ag Handbook 8 and sequelae)
<i>Colocasia esculenta</i>	Leaf	2200.0	15340.0	-0.26636491329443446	--
<i>Oenothera biennis</i>	Seed	14100.0	15048.0	-0.40617714791759757	--
<i>Phaseolus vulgaris</i>	Seed	13370.0	15026.0	-0.40710870875521793	USDA's Ag Handbook 8 and sequelae)
<i>Cichorium intybus</i>	Leaf	660.0	14892.0	-0.29705091845608234	USDA's Ag Handbook 8 and sequelae)
<i>Vigna angularis</i>	Seed	12840.0	14834.0	-0.41523869424717724	--
<i>Amaranthus</i> sp.	Leaf	1210.0	14556.0	-0.32006542232731827	--
<i>Cajanus cajan</i>	Seed	11280.0	14530.0	-0.4281111712761129	--
<i>Brassica oleracea</i> var. <i>gemmifera</i>	Leaf	2030.0	14494.0	-0.3243121462559392	USDA's Ag Handbook 8 and sequelae)
<i>Brassica napus</i> var. <i>napobrassica</i>	Root	1480.0	14310.0	0.17714518801318105	USDA's Ag Handbook 8 and sequelae)
<i>Bixa orellana</i>	Seed		14260.0	-0.4395439633741807	--
<i>Carum carvi</i>	Seed	12520.0	13900.0	-0.45478768617160453	Revised USDA data received 1993.
<i>Anethum graveolens</i>	Seed	12630.0	13678.0	-0.46418798189668253	USDA's Ag Handbook 8 and sequelae)
<i>Anethum graveolens</i>	Fruit	12630.0	13678.0	2.498859968309268	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pisum sativum	Fruit	1340.0	13254.0	2.385763288251394	--
Brassica oleracea var. viridis l.	Leaf	800.0	13112.0	-0.418972992535844	--
Avena sativa	Seed	3000.0	13000.0	-0.492896993165164	Jim Duke's personal files.*
Valerianella locusta	Plant	910.0	12640.0	0.166270481755684	--
Brassica oleracea var. botrytis l.	Flower	960.0	12400.0		--
Triticum aestivum	Seed	4000.0	12000.0	-0.5352406676024523	--
Fagopyrum esculentum	Seed		11910.0	-0.5390515983018082	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Brassica oleracea var. sabellica l.	Leaf	1840.0	11840.0	-0.5060993286198086	--
Lactuca sativa	Leaf	710.0	11833.0	-0.5065787974504593	--
Brassica oleracea	Stem	1050.0	11667.0		--
Helianthus tuberosus	Tuber		11627.0	1.4137048510099204	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
Ginkgo biloba	Seed	4200.0	11475.0	-0.5574710966820287	USDA's Ag Handbook 8 and sequelae)
Artocarpus altilis	Seed	4940.0	11300.0	-0.5648812397085541	USDA's Ag Handbook 8 and sequelae)
Mentha spicata	Leaf	1510.0	10450.0	-0.6013081392776	USDA's Ag Handbook 8 and sequelae)
Portulaca oleracea	Herb	520.0	10400.0	-1.0	--
Cocos nucifera	Seed	5460.0	10300.0	-0.6072249141458423	USDA's Ag Handbook 8 and sequelae)
Nelumbo nucifera	Seed	3380.0	10242.0	-0.609680847263205	--
Senna obtusifolia	Seed		10200.0	-0.6114592815895712	--
Basella alba	Leaf	700.0	10145.0	-0.6221992811845254	--
Cichorium endivia	Leaf	620.0	9984.0	-0.6332270642894926	--
Manihot esculenta	Root	3140.0	9970.0	-0.039929332530262124	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lepidium meyenii	Root		9940.0	-0.04142984764922602	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
Psophocarpus tetragonolobus	Tuber	4120.0	9671.0	0.4703507568264136	--
Macadamia spp	Seed	8990.0	9250.0	-0.651685772304995	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. capitata l.	Leaf	690.0	9225.0	-0.6852151846414809	USDA's Ag Handbook 8 and sequelae)
Secale cereale	Seed	8130.0	9130.0	-0.6567670132374697	USDA's Ag Handbook 8 and sequelae)
Perideridia gairdneri	Root		8954.0	-0.090746777892506	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
Cucumis sativus	Fruit	340.0	8608.0	1.1465010817681804	--
Abelmoschus esculentus	Fruit	840.0	8450.0	1.1043565641994444	--
Mentha x piperita	Plant	1730.0	8105.0	-0.5964833395353818	USDA's Ag Handbook 8 and sequelae)
Psoralea esculenta	Root		7976.0	-0.13966357077072894	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
Cucurbita spp	Fruit	500.0	7910.0	0.9603183395974352	--
Castanea mollissima	Seed	4411.0	7852.0	-0.7108822291683241	--
Capsicum frutescens	Fruit	960.0	7834.0	0.9400462931719672	USDA's Ag Handbook 8 and sequelae)
Psophocarpus tetragonolobus	Leaf	1780.0	7689.0	-0.7904243451957023	--
Solanum melongena	Fruit	610.0	7559.0	0.8666934936061291	--
Phaseolus vulgaris	Fruit	730.0	7503.0	0.8517561962399948	USDA's Ag Handbook 8 and sequelae)
Foeniculum vulgare	Fruit	6800.0	7460.0	0.8402864857624274	--
Foeniculum vulgare	Seed	6800.0	7460.0	-0.7274809495477411	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrullus lanatus	Fruit		6949.0	0.7039836472964519	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Solanum tuberosum	Tuber	950.0	6850.0	-0.8901819117276113	--
Castanea dentata	Seed	3808.0	6778.0	-0.7563593355139717	--
Pachyrhizus erosus	Tuber	720.0	6635.0	-0.9938736961087227	--
Ocimum basilicum	Leaf		6620.0	-0.863646085190795	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Fruit	370.0	6429.0	0.5652801717537763	--
Dioscorea pentaphylla	Root	1120.0	6035.0	-0.2367468989676929	--
Vitellaria paradoxa	Seed		5985.0	-0.7899378693427412	--
Capsicum annuum	Fruit	410.0	5592.0	0.34202092362066183	USDA's Ag Handbook 8 and sequelae)
Zea mays	Seed	1310.0	5450.0	-0.8125917351666905	USDA's Ag Handbook 8 and sequelae)
Sechium edule	Fruit	380.0	5430.0	0.29880945624005906	--
Arctium lappa	Root	1050.0	5250.0	-0.2760103779139148	USDA's Ag Handbook 8 and sequelae)
Opuntia ficus-indica	Bud		4955.0		Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Citrus sinensis	Fruit	230.0	4908.0	0.15957250579145005	--
Rosmarinus officinalis	Plant	1530.0	4745.0	-1.1616107572945837	USDA's Ag Handbook 8 and sequelae)
Nelumbo nucifera	Rhizome	880.0	4210.0	1.0	--
Apium graveolens	Pt	200.0	4105.0		USDA's Ag Handbook 8 and sequelae)
Calathea allouia	Root	3385.0	3720.0	-0.3525366489810734	--
Lycopersicon esculentum	Fruit	1.0	3637.0	-0.1794507969292052	--
Citrus reticulata	Fruit	440.0	3546.0	-0.20372390514917343	USDA's Ag Handbook 8 and sequelae)
Daucus carota	Root	430.0	3520.0	-0.36254008310749936	--
Colocasia esculenta	Root	1030.0	3510.0	-0.3630402548138207	--
Mangifera indica	Fruit	190.0	3400.0	-0.24266757328230928	--
Prunus armeniaca	Fruit	450.0	3300.0	-0.2693413185789777	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Castanea sativa	Seed	1451.0	3192.0	-0.9082037520460875	--
Lagenaria siceraria	Fruit	140.0	3140.0	-0.3120193110536471	--
Murraya sp	Fruit	1080.0	3111.0	-0.31975469718968097	--
Musa x paradisiaca	Fruit	1080.0	3111.0	-0.31975469718968097	USDA's Ag Handbook 8 and sequelae)
Larrea tridentata	Plant		3100.0	-1.438287722239193	--
Fragaria spp	Fruit	260.0	3084.0	-0.3269566084197814	USDA's Ag Handbook 8 and sequelae)
Beta vulgaris	Root	380.0	2997.0	-0.3886990633481032	USDA's Ag Handbook 8 and sequelae)
Brassica rapa	Root	240.0	2950.0	-0.39104987036781336	--
Ipomoea batatas	Root	520.0	2835.0	-0.3968018449905083	--
Vitis vinifera	Fruit	490.0	2520.0	-0.47739653189299114	USDA's Ag Handbook 8 and sequelae)
Zingiber officinale	Root	430.0	2486.0	-0.41425783754112155	USDA's Ag Handbook 8 and sequelae)
Zingiber officinale	Rhizome	430.0	2486.0	-1.0	--
Asimina triloba	Fruit	240.0	2336.0	-0.526476223238861	--
Sambucus canadensis	Fruit	470.0	2326.0	-0.5291435977685278	USDA's Ag Handbook 8 and sequelae)
Persea americana	Fruit	470.0	2293.0	-0.5379459337164284	--
Vaccinium corymbosum	Fruit	340.0	2210.0	-0.5600851423126632	--
Phoenix dactylifera	Fruit	620.0	2090.0	-0.5920936366686652	--
Lycium barbarum	Fruit		1900.0	-0.6427737527323352	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Psidium guajava	Fruit	210.0	1512.0	-0.7462678844834085	USDA's Ag Handbook 8 and sequelae)
Prunus persica	Fruit	180.0	1458.0	-0.7606717069436094	--
Ananas comosus	Fruit	46.0	1333.0	-0.794013888564445	--
Averrhoa carambola	Fruit	110.0	1210.0	-0.8268225952793471	USDA's Ag Handbook 8 and sequelae)
Carica papaya	Fruit	100.0	895.0	-0.9108448929638525	USDA's Ag Handbook 8 and sequelae)
Prunus domestica	Fruit	130.0	878.0	-0.9153794296642861	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Phyllanthus emblica	Fruit	176.0	871.0	-0.917246591835053	--
Harpagophytum procumbens	Root		840.0	-0.4965861004016072	--
Ficus carica	Fruit	170.0	814.0	-0.9324506266541539	USDA's Ag Handbook 8 and sequelae)
Theobroma cacao	Seed		800.0	-1.009489821300081	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Psidium cattleianum	Fruit	150.0	775.0	-0.9428533873198546	--
Citrus paradisi	Fruit	470.0	760.0	-0.9468544491143548	--
Pyrus communis	Fruit	70.0	432.0	-1.0343443336874272	--
Malus domestica	Fruit	60.0	373.0	-1.0500818434124615	USDA's Ag Handbook 8 and sequelae)
Momordica charantia	Seed		323.0	-1.0296877540066676	Jim Duke's personal files.
Ribes nigrum	Fruit Juice		35.0		--
Linum usitatissimum	Seed		0.554	-1.0433413024542735	--
Humulus lupulus	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cryptotaenia japonica	Shoot				--
Cryptotaenia japonica	Root				--
Stachys officinalis	Shoot				--
Raphanus sativus	Plant				--
Angelica sinensis	Root				Jim Duke's personal files.
Urtica dioica	Plant				--
Albizia lebeck	Seed				Wealth of India.
Prunus cerasus	Fruit				--
Alpinia galanga	Leaf				--
Anastatica hierochuntica	Fruit				--
Crocus sativus	Bulb				--
Cocos nucifera	Endosperm				Jim Duke's personal files.
Cocos nucifera	Leaf				Jim Duke's personal files.



Plant	Part	Low PPM	High PPM	StdDev	Reference
Scutellaria baicalensis	Root				--
Zingiber officinale	Tuber				--
Trigonella foenum-graecum	Leaf				--
Artemisia dracunculus	Leaf				--
Astragalus membranaceus	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Paeonia officinalis	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Capsella bursa-pastoris	Plant				--
Terminalia chebula	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Juglans regia	Seed				USDA's Ag Handbook 8 and sequelae)
Pinellia ternata	Tuber				--
Medicago sativa	Plant				--
Annona squamosa	Fruit				--
Lycopodium clavatum	Pollen Or Spore				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Coccinia grandis	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Allium ampeloprasum	Plant				--
Armoracia rusticana	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Artemisia dracunculus	Root				--
Mentha spicata	Essential Oil				--
Urtica dioica	Leaf				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Canavalia ensiformis	Seed				--
Panax ginseng	Root				--
Panax ginseng	Leaf				--
Valeriana officinalis	Rhizome				--
Trifolium pratense	Plant				--
Lippia javanica	Plant				Neidlein, R., Staehle, R. 1974. Constituents of Lippia javanica. III. Deutsche Apot. Ztit., 114: 1588.
Viscum album	Juice				--
Dryopteris marginalis	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Spinacia oleracea	Leaf				--
Glycine max	Shoot				--
Camellia sinensis	Plant				--
Melia azedarach	Seed				--
Coriandrum sativum	Leaf				--
Coriandrum sativum	Fruit				--
Cannabis sativa	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
Lentinus edodes	Fruit				--