

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for SUCROSE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Artemisia dracunculus	Root				--
Panax quinquefolius	Plant		420.0		--
Glycyrrhiza uralensis	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
Prunus dulcis	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Eriobotrya japonica	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Harpagophytum procumbens	Tuber				--
Cyphomandra betacea	Fruit				--
Hydrastis canadensis	Plant				--
Santalum album	Fruit				--
Allium ampeloprasum	Plant				--
Theobroma cacao	Plant				--
Zingiber officinale	Root				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Tulipa gesneriana	Bulb				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Citrus mitis	Fruit Juice		11000.0		--
Crataegus laevigata	Bark				--
Solanum melongena	Fruit				--
Tilia sp.	Wood				--
Apium graveolens	Shoot				--
Symphytum officinale	Root				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Allium cepa	Bulb				Osman, S. A. 1980. Chemical and Biological Studies of Onion and Garlic in an Attempt to Isolate a Hypoclycaemic Extract. Abstr. 4th Asian Symp. Med. Plants Spices Bangkok, Thailand, September 15-19: 117.
Ballota nigra	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Zea mays	Leaf				--
Areca catechu	Seed				--
Sinapis alba	Seed				--
Acacia nilotica	Seed				--
Astragalus membranaceus	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
Phytelephas aequatorialis	Mesocarp		1.0		KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
Aesculus hippocastanum	Branches				Jim Duke's personal files.
Passiflora incarnata	Plant				--
Sarcostemma acidum	Plant				--
Plantago ovata	Plant				--
Portulaca oleracea	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Paeonia lactiflora	Bud				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vetiveria zizanioides	Root				--
Annona muricata	Plant				--
Carica papaya	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rubus idaeus	Fruit				--
Corylus avellana	Plant				--
Crataegus rhipidophylla	Bark				--
Anastatica hierochuntica	Fruit				--
Lycopodium clavatum	Plant				--
Ophiopogon japonicus	Tuber				--
Teucrium polium	Plant				Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
Avena sativa	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ginkgo biloba	Wood	10000.0	20000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Sesamum indicum	Seed				--
Alisma plantago-aquatica	Rhizome				--
Lycopersicon esculentum	Fruit				--
Berberis vulgaris	Fruit				Jim Duke's personal files.
Helianthus annuus	Flower				--
Althaea officinalis	Plant				Wealth of India.
Urtica dioica	Root				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
Veratrum album	Rhizome				--
Viburnum opulus	Root Bark				--
Plantago ovata	Seed				--
Viburnum prunifolium	Bark				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Coriandrum sativum	Fruit				--
Dianthus caryophyllus	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Acacia senegal	Plant				Pakistan Encyclopedia Planta Medica. 1986.
Taraxacum officinale	Plant				--
Gentiana lutea	Root				--
Cnidium officinale	Rhizome				--
Piper methysticum	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Zingiber officinale	Rhizome				--
Stevia rebaudiana	Plant				Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Cocos nucifera	Juice		4300.0		Jim Duke's personal files.
Stevia rebaudiana	Leaf				Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Prunella vulgaris	Na		301200.0		--
Allium cepa	Leaf				Osman, S. A. 1980. Chemical and Biological Studies of Onion and Garlic in an Attempt to Isolate a Hypoclycaemic Extract. Abstr. 4th Asian Symp. Med. Plants Spices Bangkok, Thailand, September 15-19: 117.
Verbascum thapsus	Seed Oil				--
Senna obtusifolia	Seed				--
Angelica sinensis	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
Scutellaria baicalensis	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
Maclura pomifera	Shoot				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Psidium guajava	Leaf Essent. Oil				--
Hibiscus sabdariffa	Calyx		2400.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Carica papaya	Bark				Jim Duke's personal files.
Psidium guajava	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Carica papaya	Leaf				Jim Duke's personal files.
Anamirta cocculus	Fruit				--
Glycine max	Stem				--
Mahonia repens	Root				Suess, T. R. and Stermitz, F. R. 1981. The Constituents of Castilleja rhexifolia, Mahonia repens and Oncidium cebolleta. Dissertation Abstract Int B, 42: 1025-1026.
Medicago sativa	Plant				--
Mahonia repens	Stem				Suess, T. R. and Stermitz, F. R. 1981. The Constituents of Castilleja rhexifolia, Mahonia repens and Oncidium cebolleta. Dissertation Abstract Int B, 42: 1025-1026.
Rosa spp	Fruit				--
Skimmia arborescens	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Terminalia bellirica	Seed				Singh, P., Sharma, S. 1997. Triterpenoid Constituents of the Seeds of Diospyros melanoxylon, Tecomella undulata and Terminalia bellirica. J. Indian Chem. Soc. 74 6: 504-505.
Eleocharis dulcis	Tuber	63500.0	317500.0		--
Apium graveolens	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Saccharum officinarum	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Daphne mezereum	Plant				--
Alnus glutinosa	Leaf				--
Kalmia latifolia	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pinus sylvestris	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Lawsonia inermis	Leaf				--
Coriaria myrtifolia	Leaf				--
Vaccinium myrtillus	Fruit				--
Citrus mitis	Jf		11000.0		--
Allium sativum var. sativum	Leaf				Osman, S. A. 1980. Chemical and Biological Studies of Onion and Garlic in an Attempt to Isolate a Hypoclycaemic Extract. Abstr. 4th Asian Symp. Med. Plants Spices Bangkok, Thailand, September 15-19: 117.
Asparagus officinalis	Rhizome				--
Opuntia ficus-indica	Fruit				--
Jatropha curcas	Seed				--
Achillea millefolium	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Punica granatum	Fruit				--
Taraxacum officinale	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Alocasia macrorrhiza	Plant				--
Panax ginseng	Rhizome				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Panax ginseng	Stem		3500.0		--
Passiflora incarnata	Shoot				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Artemisia dracunculus	Leaf				--
Eleutherococcus senticosus	Root				Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of Glycyrrhiza-glabra. Nippon Gogeikagaku Kaishi 61(9): 1119-1122.
Angelica archangelica	Root				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Cocos nucifera	Resin, Exudate, Sap		134000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Humulus lupulus	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Withania somnifera	Root		1000.0	-1.2514078712678915	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Allium sativum var. sativum	Bulb		70000.0	-1.0	--
Harpagophytum procumbens	Root		27300.0	-0.9841312900669343	--
Panax ginseng	Leaf		6400.0	-0.9162072066569106	--
Echinacea purpurea	Root		34000.0	-0.9160418188104167	Jim Duke's personal files.
Ruscus aculeatus	Root		36000.0	-0.8957166035099636	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Arnica montana	Rhizome		10000.0	-0.889354596263753	--
Ribes rubrum	Fruit		1500.0	-0.7361802289726449	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Trigonella foenum-graecum	Fruit	400.0	2500.0	-0.7290899750660653	Singh, J., Gupta, K., and Arora, S.K. 1993. Changes in the anti-nutritional factors of developing seeds and pod walls of fenugreek (Trigonella foenum graecum L.). Plant Foods for Human Nutrition. 46: 77-84, 1994.
Hippophae rhamnoides	Fruit	1000.0	5000.0	-0.7113643402996163	Abstract (See species file)
Vaccinium vitis-idaea	Fruit		5300.0	-0.7092372641276423	--
Ribes nigrum	Fruit		6200.0	-0.7028560356117206	--
Ribes uva-crispa	Fruit		7100.0	-0.696474807095799	--
Linum usitatissimum	Seed		388.0	-0.6923667566162774	--
Sambucus nigra	Fruit	700.0	9530.0	-0.6792454901028104	--
Terminalia chebula	Fruit		10000.0	-0.675913070766718	--
Phyllanthus emblica	Fruit	2600.0	12970.0	-0.6548550166641766	--
Ginkgo biloba	Seed		3600.0	-0.6466733517479153	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Oryza sativa	Seed	3000.0	4800.0	-0.6296023412117899	--
Viburnum opulus	Fruit		16600.0	-0.6291173949832924	--
Nelumbo nucifera	Rhizome	4100.0	25309.0	-0.6188226376488517	--
Musa x paradisiaca	Fruit	500.0	18400.0	-0.6163549379514491	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Zea mays	Fruit	9000.0	19000.0	-0.6121007856075014	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Citrus paradisi	Fruit		21400.0	-0.5950841762317102	--
Triticum aestivum	Seed		8400.0	-0.5783893096034138	--
Physalis ixocarpa	Fruit	3140.0	25060.0	-0.5691338469336288	--
Echinacea angustifolia	Root		69200.0	-0.5583180295224436	Jim Duke's personal files.
Spondias pinnata	Fruit		29000.0	-0.541198246541705	--
Rosa canina	Fruit	6000.0	32100.0	-0.5192184594313082	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Trigonella foenum-graecum	Seed	1200.0	12700.0	-0.5172181885156314	--
Cucurbita pepo	Seed		14000.0	-0.4987245937681623	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Malus domestica	Fruit	24000.0	36200.0	-0.49014841841433165	--
Teucrium montanum	Leaf		16000.0	-0.48673507853648373	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vigna unguiculata	Seed		15000.0	-0.4844987516547245	--
Vigna unguiculata	Seed		15000.0	-0.4844987516547245	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Vigna mungo	Seed		16000.0	-0.4702729095412867	--
Pinus sylvestris	Leaf		17000.0	-0.4419983985239393	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vigna radiata	Seed		18000.0	-0.44182122531441115	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Rehmannia glutinosa	Root	28000.0	81000.0	-0.4383992592497708	--
Nelumbo nucifera	Fruit	41000.0	45556.0	-0.4238120028643726	--
Citrus sinensis	Fruit		47000.0	-0.41357367622327157	--
Prunus domestica	Fruit	7000.0	48000.0	-0.406483422316692	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cucurbita foetidissima	Seed		23000.0	-0.37069201474722224	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Prunus armeniaca	Fruit	14000.0	54000.0	-0.3639418988772142	--
Mammea americana	Fruit		55000.0	-0.35685164497063454	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Glycyrrhiza glabra	Root	24000.0	91700.0	-0.3296593573923472	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pistacia vera</i>	Seed		32600.0	-0.2341239304582195	--
<i>Theobroma cacao</i>	Seed	18000.0	37000.0	-0.17153022515909322	--
<i>Phragmites australis</i>	Rhizome		51000.0	-0.1648258678549114	--
<i>Phoenix dactylifera</i>	Seed		38200.0	-0.15445921462296788	Abstract (See species file)
<i>Manilkara zapota</i>	Fruit	14800.0	87500.0	-0.12641839300679644	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Piper betel</i>	Leaf	6000.0	25000.0	-0.08410495842358359	--
<i>Phytelephas aequatorialis</i>	Seed	5600.0	45565.0	-0.049685887457498606	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
<i>Prunus persica</i>	Fruit	20000.0	100000.0	-0.03779021917455101	--
<i>Corylus avellana</i>	Seed	20000.0	50000.0	0.013405722315597973	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Mangifera indica</i>	Fruit	66700.0	125800.0	0.14513833161520354	--
<i>Cichorium intybus</i>	Root		140000.0	0.1611945921135931	--
<i>Paeonia officinalis</i>	Root	80000.0	140000.0	0.1611945921135931	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ananas comosus</i>	Fruit	59000.0	150000.0	0.31672247615443067	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Glycine max</i>	Seed	27950.0	71700.0	0.3221064961771977	--
<i>Panax quinquefolius</i>	Root	39000.0	158600.0	0.35021909440780613	--
<i>Phaseolus acutifolius</i>	Seed	18000.0	79200.0	0.4288003120279811	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
<i>Ceratonia siliqua</i>	Fruit	75000.0	175000.0	0.4939788238189215	--
<i>Spondias dulcis</i>	Fruit	80500.0	200000.0	0.6712351714834124	--
<i>Zizyphus jujuba</i>	Fruit	122000.0	208000.0	0.7279572027360495	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lycoris radiata	Bulb		73200.0	1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Panax ginseng	Root	1300.0	226000.0	1.0351788500330728	--
Annona squamosa	Fruit	72900.0	272500.0	1.1852785797104357	--
Beta vulgaris	Root		270000.0	1.482333586643039	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Polypodium vulgare	Rhizome		155000.0	1.6730031017675162	--
Vanilla planifolia	Fruit		350000.0	1.7347732574703574	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Nicotiana tabacum	Leaf		70000.0	1.929045642140917	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Phoenix dactylifera	Fruit	0.0	400000.0	2.089285952799339	--
Daucus carota	Root	60000.0	339000.0	2.183553514508668	--
Castanea sativa	Seed		216000.0	2.37489551314627	--
Ficus carica	Fruit	2250.0	460000.0	2.5147011871941167	--
Asimina triloba	Fruit	60000.0	545000.0	3.117372769253386	--
Pisum sativum	Seed	22500.0	280000.0	3.2853494084062884	--