

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for CHLOROGENIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
Acacia nilotica	Plant				--
Achillea millefolium	Plant				Tunon, H., Thorsell, W., and Bohlin, L. 1993. Mosquito Repelling Activity of Compounds Occurring in Achillea millefolium L. (Asteraceae). Economic Botany 48(2): 111-120, 1994.
Aconitum napellus	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Adonis vernalis	Plant				--
Agrimonia eupatoria	Leaf				Wealth of India.
Allium ampeloprasum	Plant				--
Allium sativum var. sativum	Plant				Stitt, Paul. Why George should eat broccoli.
Althaea officinalis	Root				--
Althaea officinalis	Flower				--
Althaea officinalis	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Anethum graveolens	Fruit				--
Anethum graveolens	Seed				--
Angelica archangelica	Plant				Pakistan Encyclopedia Planta Medica. 1986.
Apium graveolens	Seed				Wealth of India.
Apium graveolens	Leaf				--
Apium graveolens	Root				--
Arachis hypogaea	Seed		12.0	-0.6167484489597725	--
Arctium lappa	Root				--
Arnica montana	Flower				--
Artemisia abrotanum	Plant				--
Artemisia dracuncululus	Shoot				--
Artemisia absinthium	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Astragalus membranaceus</i>	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Ballota nigra</i>	Plant				--
<i>Berberis vulgaris</i>	Fruit				Jim Duke's personal files.
<i>Beta vulgaris</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Boehmeria nivea</i>	Leaf				--
<i>Brassica oleracea</i> var. <i>italica</i>	Leaf				Stitt, Paul. Why George should eat broccoli.
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Leaf				--
<i>Brassica nigra</i>	Seed				Jim Duke's personal files.
<i>Brassica oleracea</i> var. <i>capitata</i> l.	Leaf				--
<i>Brassica oleracea</i> var. <i>capitata</i> l.	Plant				--
<i>Calendula officinalis</i>	Flower				--
<i>Camellia sinensis</i>	Tissue Culture				--
<i>Camellia sinensis</i>	Leaf				--
<i>Capsicum frutescens</i>	Stem				--
<i>Capsicum frutescens</i>	Fruit				--
<i>Capsicum annuum</i>	Leaf				--
<i>Capsicum annuum</i>	Fruit				--
<i>Centaurea cyanus</i>	Shoot				Jim Duke's personal files.
<i>Centaurea cyanus</i>	Flower				Jim Duke's personal files.
<i>Cichorium intybus</i>	Shoot				--
<i>Cichorium intybus</i>	Root				--
<i>Cichorium intybus</i>	Leaf				--
<i>Cichorium intybus</i>	Plant				--
<i>Cinchona pubescens</i>	Leaf				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrullus colocynthis	Fruit				--
Clematis vitalba	Plant				--
Coffea arabica	Seed	50000.0	80000.0	2.099473455662158	--
Conium maculatum	Plant				--
Convallaria majalis	Plant				--
Corchorus olitorius	Leaf				--
Coriandrum sativum	Plant	305.0	320.0	-0.6800911873139804	Abstract (See species file)
Coriandrum sativum	Shoot				--
Crataegus rhipidophylla	Shoot				--
Crataegus rhipidophylla	Fruit				--
Crataegus laevigata	Bud				--
Crataegus laevigata	Fruit				--
Crataegus rhipidophylla	Bud				--
Crataegus rhipidophylla	Leaf				--
Crataegus rhipidophylla	Flower				--
Crataegus laevigata	Bark				--
Crataegus laevigata	Flower				--
Crataegus laevigata	Leaf				--
Crataegus rhipidophylla	Bark				--
Crataegus rhipidophylla	Inflorescence				--
Crataegus monogyna	Plant				Schussler, M., Fricke, U., Nikolov, N., and Holzl, J. 1991. Comparison of the Flavonoids Occurring in Crataegus species and Inhibition of 3',5'-Cyclic Adenosine Monophosphate Phosphodiesterase. Plant Medica 57: Suppl Issue 2. p.A-133.
Crataegus laevigata	Shoot				--
Crataegus cuneata	Fruit				--
Crataegus laevigata	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Crataegus pentagyna</i>	Plant				Schussler, M., Fricke, U., Nikolov, N., and Holzl, J. 1991. Comparison of the Flavonoids Occurring in <i>Crataegus</i> species and Inhibition of 3',5'-Cyclic Adenosine Monophosphate Phosphodiesterase. <i>Plant Medica</i> 57: Suppl Issue 2. p.A-133.
<i>Cucumis sativus</i>	Fruit				--
<i>Cyamopsis tetragonoloba</i>	Leaf				Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Sci Food Agr</i> , 33: 461-470.
<i>Cyamopsis tetragonoloba</i>	Seed				Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Sci Food Agr</i> , 33: 461-470.
<i>Cydonia oblonga</i>	Fruit				--
<i>Cynara cardunculus</i>	Flower				Leung, A.Y., <i>Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics</i> , John Wiley & Sons, New York, 1980.
<i>Cynara cardunculus</i>	Shoot				Jim Duke's personal files.
<i>Cynara cardunculus</i>	Leaf				--
<i>Datura stramonium</i>	Plant				--
<i>Daucus carota</i>	Root				--
<i>Digitalis purpurea</i>	Leaf				--
<i>Dipsacus fullonum</i>	Plant				List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Echinacea angustifolia</i>	Leaf				Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Echinacea pallida</i>	Leaf				--
<i>Echinacea</i> spp	Shoot				<i>Economic &amp; Medicinal Plant Research</i> , 5: 253.
<i>Echinacea pallida</i>	Flower				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Echinacea pallida	Root				Jim Duke's personal files.
Elaeagnus angustifolia	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Eleutherococcus senticosus	Stem Bark		77.1		--
Eleutherococcus senticosus	Tissue Culture				--
Eleutherococcus senticosus	Root	1000.0	6045.0	0.4924993995792986	--
Equisetum arvense	Shoot				Jim Duke's personal files.
Erythroxylum coca	Plant				--
Eucalyptus globulus	Wood				Chemical Constituents of Oriental Herbs (3 diff. books)
Eucalyptus globulus	Bark				Chemical Constituents of Oriental Herbs (3 diff. books)
Eucommia ulmoides	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Fagopyrum esculentum	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Foeniculum vulgare	Leaf				Jim Duke's personal files.
Fragaria spp	Fruit				Jim Duke's personal files.
Glechoma hederacea	Plant				Vademecum Garcia, A.A., et al. 1998. Fitoterapia Vademecum de Prescripcioon. Masson, S. A. Barcelona, Espana. 1148 pp.
Glycine max	Shoot				--
Harpagophytum procumbens	Root				--
Harpagophytum procumbens	Tuber				--
Hedera helix	Plant				--
Helianthus annuus	Seed	1900.0	28000.0	0.33366434629149755	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hordeum vulgare	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Hordeum vulgare	Fruit				--
Houttuynia cordata	Root				--
Humulus lupulus	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Hydrastis canadensis	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Hydrastis canadensis	Plant				--
Hyoscyamus niger	Leaf				--
Hypericum perforatum	Leaf				--
Hypericum perforatum	Plant				--
Ilex paraguariensis	Leaf				--
Ipomoea batatas	Root				--
Juglans regia	Seed	10.0	28.0	-0.6162051230799662	--
Juglans regia	Testa	220.0	800.0		--
Juniperus communis	Leaf				--
Linum usitatissimum	Seed				--
Linum usitatissimum	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Lonicera japonica	Flower	445.0	60000.0	1.0	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Lycopersicon esculentum	Fruit		18.0	-1.090975910295016	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Lycopus virginicus</i>	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Lycopus europeus</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Lythrum salicaria</i>	Leaf				--
<i>Mahonia repens</i>	Leaf				Grace, S. C., Logan, B. A., Adams III, W. W. 1998. Seasonal Differences in Foliar Content of Chlorogenic Acid, a Phenylpropanoid Antioxidant, in <i>Mahonia repens</i> . Plant Cell Environ, 21(5): 513-521.
<i>Malus domestica</i>	Leaf	100.0	1200.0	-1.3240006985895736	--
<i>Malus domestica</i>	Seed				--
<i>Malus domestica</i>	Fruit Juice				--
<i>Malus domestica</i>	Fruit	5.0	15.0	-1.0935971883111022	--
<i>Malus domestica</i>	Pt				--
<i>Malus domestica</i>	Pericarp	8.0	18.0		--
<i>Maranta arundinacea</i>	Leaf				--
<i>Marrubium vulgare</i>	Plant				--
<i>Matricaria recutita</i>	Plant				Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of <i>Glycyrrhiza-glabra</i> . Nippon Gogeikagaku Kaishi 61(9): 1119-1122.
<i>Melissa officinalis</i>	Plant				--
<i>Melissa officinalis</i>	Shoot		19000.0		--
<i>Mentha x piperita</i>	Shoot				--
<i>Menyanthes trifoliata</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Morus alba</i>	Leaf				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Nicotiana tabacum	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Origanum majorana	Shoot				--
Origanum vulgare	Plant				--
Origanum vulgare	Shoot				--
Persea americana	Fruit				--
Petroselinum crispum	Stem				--
Peucedanum ostruthium	Root				--
Phoenix dactylifera	Fruit				Abstract (See species file)
Physalis peruviana	Leaf				--
Pimpinella anisum	Seed		1000.0	-0.58319807588173	--
Pimpinella anisum	Plant				--
Pinus sylvestris	Leaf				--
Plantago major	Plant				--
Pluchea carolinensis	Shoot				Tramil
Prunus persica	Flower				--
Prunus armeniaca	Fruit				--
Prunus domestica	Fruit				Jim Duke's personal files.
Prunus persica	Leaf				--
Prunus cerasus	Fruit				--
Punica granatum	Fruit				--
Punica granatum	Leaf				--
Punica granatum	Fruit Juice				--
Rhododendron ponticum	Plant				--
Ribes uva-crispa	Fruit				--
Ribes nigrum	Fruit				--



Plant	Part	Low PPM	High PPM	StdDev	Reference
Ricinus communis	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Rosa damascena	Pollen Or Spore		15000.0		--
Rosmarinus officinalis	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Rosmarinus officinalis	Shoot				--
Rubus phoenicolasius	Leaf				Okuda, T., Yoshida, T., Hatano, T., Iwasaki, M., Kubo, M., Orime, T., Yoshizaki, M., Naruhashi, N. 1992. Hydrolysable Tannins as Chemotaxonomic Markers in the Rosaceae. Phytochemistry, 31(9): 3091-3096.
Rubus fruticosus	Fruit				--
Salvia officinalis	Inflorescence				--
Salvia officinalis	Shoot				--
Sambucus nigra	Flower		26000.0	-1.0	--
Sambucus simpsonii	Flower				Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Satureja montana	Shoot				--
Scopolia carniolica	Leaf				--
Senna obtusifolia	Seed				--
Sesamum indicum	Leaf				Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Solanum melongena	Fruit				--
Solanum tuberosum	Root Bark				--
Solanum tuberosum	Leaf		2230.0	0.23157426667346181	--
Solanum tuberosum	Tuber	22.0	3950.0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Solanum tuberosum	Flower				--
Solanum torvum	Plant				--
Solanum tuberosum	Sprout Seedling				--
Solanum tuberosum	Root		260.0	-1.3943277703321204	--
Solidago virgaurea	Flower				--
Sorbus aucubaria	Fruit				--
Spinacia oleracea	Shoot				--
Stachys officinalis	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Stachys officinalis	Shoot				--
Stachytarpheta jamaicensis	Plant				--
Stellaria media	Shoot				--
Strychnos nux-vomica	Seed				--
Symphytum officinale	Root				--
Tanacetum vulgare	Plant				--
Taraxacum officinale	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.
Teucrium scordium	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Teucrium chamaedrys	Plant		200.0	-0.7337825968387683	--
Theobroma cacao	Leaf				--
Theobroma cacao	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Thymus vulgaris	Shoot				--
Thymus vulgaris	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tilia sp.	Flower				--
Trifolium pratense	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Triticum aestivum	Seed		5.0	-0.6169861540321878	--
Tropaeolum majus	Pericarp				--
Uncaria guianensis	Bark				Van Ginkel, A. 1996. Identification of the Alkaloids and Flavonoids from Uncaria tomentosa Bark by TLC in Quality Control. Phytotherapy Research, 10: S18-S19.
Uncaria tomentosa	Bark				Van Ginkel, A. 1996. Identification of the Alkaloids and Flavonoids from Uncaria tomentosa Bark by TLC in Quality Control. Phytotherapy Research, 10: S18-S19.
Urtica dioica	Shoot				Jim Duke's personal files.
Urtica dioica	Plant	200.0	5000.0	1.4138737841527487	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.
Urtica dioica	Leaf				Jim Duke's personal files.
Urtica dioica	Flower				--
Vaccinium myrtillus	Fruit Juice				--
Vaccinium corymbosum	Fruit		3000.0	1.514574437694523	--
Vaccinium myrtillus	Fruit		1900.0	0.5534391651296359	--
Vaccinium myrtillus	Leaf		2800.0	1.0924264319161126	--
Vaccinium macrocarpon	Fruit				--
Valeriana officinalis	Root		7300.0	0.9018283707528216	--
Viburnum opulus	Branches				--
Viburnum prunifolium	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Viburnum opulus	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vitis vinifera	Leaf				--
Vitis vinifera	Shoot				--
Vitis vinifera	Fruit		1400.0	0.11655949578196001	--
Vitis vinifera	Root				--
Withania somnifera	Leaf				--
Zea mays	Leaf				--
Zea mays	Silk Stigma Style				--
Zingiber officinale	Plant				Stitt, Paul. Why George should eat broccoli.