

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for CHLOROGENIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Coffea arabica</i>	Seed	50000.0	80000.0	2.099473455662158	--
<i>Helianthus annuus</i>	Seed	1900.0	28000.0	0.33366434629149755	--
<i>Eleutherococcus senticosus</i>	Root	1000.0	6045.0	0.4924993995792986	--
<i>Lonicera japonica</i>	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.
<i>Coriandrum sativum</i>	Plant	305.0	320.0	-0.6800911873139804	Abstract (See species file)
<i>Juglans regia</i>	Testa	220.0	800.0		--
<i>Urtica dioica</i>	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.
<i>Malus domestica</i>	Leaf	100.0	1200.0	-1.3240006985895736	--
<i>Solanum tuberosum</i>	Tuber	22.0	3950.0		--
<i>Juglans regia</i>	Seed	10.0	28.0	-0.6162051230799662	--
<i>Malus domestica</i>	Pericarp	8.0	18.0		--
<i>Malus domestica</i>	Fruit	5.0	15.0	-1.0935971883111022	--
<i>Coriandrum sativum</i>	Shoot				--
<i>Hordeum vulgare</i>	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Theobroma cacao</i>	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<i>Uncaria guianensis</i>	Bark				Van Ginkel, A. 1996. Identification of the Alkaloids and Flavonoids from <i>Uncaria tomentosa</i> Bark by TLC in Quality Control. Phytotherapy Research, 10: S18-S19.
<i>Hyoscyamus niger</i>	Leaf				--
<i>Echinacea spp</i>	Shoot				Economic & Medicinal Plant Research, 5: 253.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Glechoma hederacea	Plant				Vademecum Garcia, A.A., et al. 1998. Fitoterapia Vademecum de Prescripcioon. Masson, S. A. Barcelona, Espana. 1148 pp.
Camellia sinensis	Leaf				--
Capsicum annuum	Leaf				--
Convallaria majalis	Plant				--
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.
Lycopus virginicus	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.
Cynara cardunculus	Leaf				--
Capsicum annuum	Fruit				--
Cichorium intybus	Plant				--
Capsicum frutescens	Stem				--
Stachys officinalis	Shoot				--
Houttuynia cordata	Root				--
Agrimonia eupatoria	Leaf				Wealth of India.
Crataegus rhipidophylla	Flower				--
Crataegus rhipidophylla	Fruit				--
Clematis vitalba	Plant				--
Crataegus rhipidophylla	Inflorescence				--
Triticum aestivum	Seed		5.0	-0.6169861540321878	--
Crataegus rhipidophylla	Leaf				--
Crataegus rhipidophylla	Shoot				--
Crataegus rhipidophylla	Bark				--
Crataegus rhipidophylla	Bud				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ballota nigra	Plant				--
Sambucus nigra	Flower		26000.0	-1.0	--
Datura stramonium	Plant				--
Althaea officinalis	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Humulus lupulus	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Echinacea pallida	Flower				Jim Duke's personal files.
Hedera helix	Plant				--
Echinacea pallida	Leaf				--
Capsicum frutescens	Fruit				--
Echinacea pallida	Root				Jim Duke's personal files.
Foeniculum vulgare	Leaf				Jim Duke's personal files.
Cichorium intybus	Root				--
Cichorium intybus	Shoot				--
Pimpinella anisum	Plant				--
Cichorium intybus	Leaf				--
Hordeum vulgare	Fruit				--
Brassica oleracea var. botrytis l.	Leaf				--
Prunus cerasus	Fruit				--
Hydrastis canadensis	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Cydonia oblonga	Fruit				--
Berberis vulgaris	Fruit				Jim Duke's personal files.
Artemisia abrotanum	Plant				--
Stachys officinalis	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Apium graveolens	Seed				Wealth of India.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Scopolia carniolica	Leaf				--
Teucrium scordium	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Brassica oleracea var. capitata l.	Plant				--
Crataegus laevigata	Plant				--
Physalis peruviana	Leaf				--
Arachis hypogaea	Seed		12.0	-0.6167484489597725	--
Pluchea carolinensis	Shoot				Tramil
Thymus vulgaris	Shoot				--
Fragaria spp	Fruit				Jim Duke's personal files.
Stachytarpheta jamaicensis	Plant				--
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.
Equisetum arvense	Shoot				Jim Duke's personal files.
Arctium lappa	Root				--
Althaea officinalis	Root				--
Brassica oleracea var. capitata l.	Leaf				--
Vitis vinifera	Leaf				--
Juniperus communis	Leaf				--
Vitis vinifera	Root				--
Crataegus pentagyna	Plant				Schussler, M., Fricke, U., Nikolov, N., and Holz, 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.

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.
Dipsacus fullonum	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Senna obtusifolia	Seed				--
Lythrum salicaria	Leaf				--
Vaccinium myrtillus	Fruit		1900.0	0.5534391651296359	--
Vaccinium myrtillus	Fruit Juice				--
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.
Thymus vulgaris	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Rosmarinus officinalis	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Artemisia absinthium	Plant				--
Astragalus membranaceus	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Ipomoea batatas	Root				--
Stellaria media	Shoot				--
Origanum majorana	Shoot				--
Solanum torvum	Plant				--
Viburnum opulus	Branches				--
Menyanthes trifoliata	Leaf				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
<i>Cynara cardunculus</i>	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Vaccinium macrocarpon</i>	Fruit				--
<i>Eleutherococcus senticosus</i>	Stem Bark		77.1		--
<i>Artemisia dracunculus</i>	Shoot				--
<i>Eleutherococcus senticosus</i>	Tissue Culture				--
<i>Strychnos nux-vomica</i>	Seed				--
<i>Valeriana officinalis</i>	Root		7300.0	0.9018283707528216	--
<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>Ribes uva-crispa</i>	Fruit				--
<i>Punica granatum</i>	Fruit				--
<i>Theobroma cacao</i>	Leaf				--
<i>Crataegus monogyna</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>Salvia officinalis</i>	Inflorescence				--
<i>Viburnum prunifolium</i>	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Lycopersicon esculentum</i>	Fruit		18.0	-1.090975910295016	--
<i>Origanum vulgare</i>	Shoot				--
<i>Apium graveolens</i>	Root				--
<i>Allium sativum</i> var. <i>sativum</i>	Plant				Stitt, Paul. Why George should eat broccoli.
<i>Boehmeria nivea</i>	Leaf				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucumis sativus	Fruit				--
Mahonia repens	Leaf				Grace, S. C., Logan, B. A., Adams III, W. W. 1998. Seasonal Differences in Foliar Content of Chlorogenic Acid, a Phenylpropanoid Antioxidant, in Mahonia repens. Plant Cell Environ, 21(5): 513-521.
Angelica archangelica	Plant				Pakistan Encyclopedia Planta Medica. 1986.
Vitis vinifera	Fruit		1400.0	0.11655949578196001	--
Elaeagnus angustifolia	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Punica granatum	Fruit Juice				--
Punica granatum	Leaf				--
Ilex paraguariensis	Leaf				--
Ribes nigrum	Fruit				--
Melissa officinalis	Shoot		19000.0		--
Crataegus cuneata	Fruit				--
Pimpinella anisum	Seed		1000.0	-0.58319807588173	--
Solanum tuberosum	Root Bark				--
Solanum tuberosum	Root		260.0	-1.3943277703321204	--
Solanum tuberosum	Flower				--
Solanum tuberosum	Leaf		2230.0	0.23157426667346181	--
Solanum tuberosum	Sprout Seedling				--
Zea mays	Leaf				--
Zea mays	Silk Stigma Style				--
Brassica oleracea var. italica	Leaf				Stitt, Paul. Why George should eat broccoli.
Eucalyptus globulus	Bark				Chemical Constituents of Oriental Herbs (3 diff. books)
Eucalyptus globulus	Wood				Chemical Constituents of Oriental Herbs (3 diff. books)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Malus domestica	Fruit Juice				--
Mentha x piperita	Shoot				--
Malus domestica	Seed				--
Malus domestica	Pt				--
Marrubium vulgare	Plant				--
Aconitum napellus	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Rubus fruticosus	Fruit				--
Prunus armeniaca	Fruit				--
Apium graveolens	Leaf				--
Allium ampeloprasum	Plant				--
Anethum graveolens	Seed				--
Peucedanum ostruthium	Root				--
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.
Adonis vernalis	Plant				--
Origanum vulgare	Plant				--
Vaccinium myrtillus	Leaf		2800.0	1.0924264319161126	--
Linum usitatissimum	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Melissa officinalis	Plant				--
Crataegus laevigata	Leaf				--
Erythroxylum coca	Plant				--



Plant	Part	Low PPM	High PPM	StdDev	Reference
Cyamopsis tetragonoloba	Seed				Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (Cyamopsis tetragonoloba L. Taub). J Sci Food Agr, 33: 461-470.
Cyamopsis tetragonoloba	Leaf				Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (Cyamopsis tetragonoloba L. Taub). J Sci Food Agr, 33: 461-470.
Hypericum perforatum	Plant				--
Hypericum perforatum	Leaf				--
Urtica dioica	Shoot				Jim Duke's personal files.
Urtica dioica	Flower				--
Urtica dioica	Leaf				Jim Duke's personal files.
Withania somnifera	Leaf				--
Rhododendron ponticum	Plant				--
Prunus domestica	Fruit				Jim Duke's personal files.
Cinchona pubescens	Leaf				--
Corchorus olitorius	Leaf				--
Camellia sinensis	Tissue Culture				--
Daucus carota	Root				--
Sorbus aucubaria	Fruit				--
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.
Anethum graveolens	Fruit				--
Centaurea cyanus	Flower				Jim Duke's personal files.
Harpagophytum procumbens	Root				--
Centaurea cyanus	Shoot				Jim Duke's personal files.
Zingiber officinale	Plant				Stitt, Paul. Why George should eat broccoli.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Solanum melongena	Fruit				--
Morus alba	Leaf				--
Calendula officinalis	Flower				--
Trifolium pratense	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Althaea officinalis	Flower				--
Spinacia oleracea	Shoot				--
Tanacetum vulgare	Plant				--
Harpagophytum procumbens	Tuber				--
Conium maculatum	Plant				--
Glycine max	Shoot				--
Sambucus simpsonii	Flower				Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Maranta arundinacea	Leaf				--
Linum usitatissimum	Seed				--
Rosmarinus officinalis	Shoot				--
Eucommia ulmoides	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Hydrastis canadensis	Plant				--
Plantago major	Plant				--
Brassica nigra	Seed				Jim Duke's personal files.
Matricaria recutita	Plant				Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of Glycyrrhiza-glabra. Nippon Gogeikagaku Kaishi 61(9): 1119-1122.
Salvia officinalis	Shoot				--
Vaccinium corymbosum	Fruit		3000.0	1.514574437694523	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Echinacea angustifolia	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Digitalis purpurea	Leaf				--
Lycopus europeus	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Teucrium chamaedrys	Plant		200.0	-0.7337825968387683	--
Cynara cardunculus	Shoot				Jim Duke's personal files.
Prunus persica	Flower				--
Tilia sp.	Flower				--
Prunus persica	Leaf				--
Citrullus colocynthis	Fruit				--
Rosa damascena	Pollen Or Spore		15000.0		--
Solidago virgaurea	Flower				--
Arnica montana	Flower				--
Symphytum officinale	Root				--
Acacia nilotica	Plant				--
Pinus sylvestris	Leaf				--
Satureja montana	Shoot				--
Vitis vinifera	Shoot				--
Crataegus laevigata	Flower				--
Nicotiana tabacum	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Tropaeolum majus	Pericarp				--
Crataegus laevigata	Fruit				--
Crataegus laevigata	Shoot				--
Petroselinum crispum	Stem				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Crataegus laevigata</i>	Bark				--
<i>Fagopyrum esculentum</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Persea americana</i>	Fruit				--
<i>Phoenix dactylifera</i>	Fruit				Abstract (See species file)
<i>Crataegus laevigata</i>	Bud				--
<i>Sesamum indicum</i>	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.