

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Plants for ISOCHLOROGENIC-ACID**

Plant	Part	Low PPM	High PPM	StdDev	Reference
Allium ampeloprasum	Plant				--
Apium graveolens	Leaf				--
Arachis hypogaea	Seed		3.0	1.0	--
Arctium lappa	Leaf				Wealth of India.
Centaurea cyanus	Shoot				Jim Duke's personal files.
Cichorium intybus	Plant				Gruenwald, J. et al. 1998. PDR for Herbal Medicine. 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)
Cichorium intybus	Root				--
Coffea arabica	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Cydonia oblonga	Fruit				--
Cynara cardunculus	Leaf				Jim Duke's personal files.
Daucus carota	Leaf				--
Echinacea pallida	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Echinacea spp	Shoot				Economic & Medicinal Plant Research, 5: 253.
Echinacea angustifolia	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Hedera helix	Plant				--
Helianthus annuus	Plant				--
Ipomoea batatas	Root				--
Lonicera japonica	Flower	445.0	60000.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Malus domestica	Plant				Stitt, Paul. Why George should eat broccoli.
Mentha x piperita	Shoot				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Phoenix dactylifera	Fruit				Abstract (See species file)
Prunus cerasus	Fruit				--
Prunus domestica	Fruit				Jim Duke's personal files.
Senna obtusifolia	Seed				--
Solanum torvum	Plant				--
Sorbus aucubaria	Fruit				--
Stachys officinalis	Shoot				--
Tanacetum vulgare	Plant				--
Thymus vulgaris	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Thymus vulgaris	Shoot				--
Triticum aestivum	Seed		1.0	-1.0	--
Vaccinium myrtillus	Leaf		2000.0		--
Vaccinium myrtillus	Fruit		250.0	1.0	--
Viburnum prunifolium	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vitis vinifera	Fruit		200.0	-1.0	--