

List of Plants

FERULIC-ACID

Chemid

FERULICACID

Dosage

LD₅₀=1,200 (par mus)

LD₅₀=416 (ivn mus) Ozaki, Y. and Ma, J-P. 1989. Inhibitory Effects of Tetramethylpyrazine and Ferulic Acid on Spontaneous Movement of Rat Uterus in Situ. Chem. Pharm. Bull. 38(6): 1620-1623, 1990.

LD₅₀=837-895 (ivn mus) Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	*Reference
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.
Actaea cimicifuga	Rhizome	--	--		*
Actaea dahurica	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Agrimonia eupatoria	Plant	--	--		*
Ajuga iva	Plant	--	1000.0	0.84	Jim Duke's personal files.
Ajuga iva	Shoot	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Allium sativum var. sativum	Bulb	7.0	27.0	1.0	*
Allium cepa	Root	--	--		Das, V. S. R., Rao, J. V. S. 1964. Phenolic Acids of Onion Plant. Curr. Sci., 33(15): 471-472.
Allium cepa	Bulb	--	0.5	-1.0	*
Allium cepa	Leaf	--	--		Das, V. S. R., Rao, J. V. S. 1964. Phenolic Acids of Onion Plant. Curr. Sci., 33(15): 471-472.
Allium schoenoprasum	Leaf	--	0.5	-1.08	*
Allium ampeloprasum	Plant	--	--		*
Althaea officinalis	Flower	--	--		*
Althaea officinalis	Root	--	--		*
Althaea officinalis	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Althaea officinalis	Leaf	--	--		*
Ananas comosus	Plant	200.0	760.0	0.3	*
Anethum graveolens	Seed	--	--		*

Anethum graveolens	Fruit	--	--		*
Angelica sinensis	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Angelica sinensis	Plant	--	940.0	0.7	Jim Duke's personal files.
Apium graveolens	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Arachis hypogaea	Seed	--	45.0	-0.37	*
Arctostaphylos uva-ursi	Leaf	--	--		*
Artemisia dracunculoides	Leaf	--	38.0	2.44	*
Aspalathus linearis	Shoot	--	0.66		*
Astragalus membranaceus	Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Avena sativa	Seed	--	--		*
Ballota nigra	Plant	--	--		*
Basella alba	Plant	--	--		*
Beta vulgaris	Leaf	--	--		*
Brassica pekinensis	Leaf	--	6.0	-0.57	*
Brassica oleracea var. gemmifera	Leaf	--	10.0	-0.19	*
Brassica oleracea var. botrytis l.	Leaf	--	13.0	0.09	*
Brassica oleracea var. italica	Leaf	--	13.0	0.09	*
Brassica oleracea var. capitata l.	Leaf	4.0	20.0	0.75	*
Brassica nigra	Seed	--	--		Jim Duke's personal files.
Capsicum frutescens	Fruit	--	--		*
Catalpa ovata	Wood	--	--		*
Celosia cristata	Flower	--	--		*
Centaurea cyanus	Flower	--	--		Jim Duke's personal files.
Centaurium erythraea	Plant	--	--		*
Ceratonia siliqua	Fruit	--	--		Wealth of India.
Chamaemelum nobile	Plant	--	--		*
Chenopodium ambrosioides	Fruit	--	--		*
Chenopodium album	Fruit	--	--		*
Cichorium intybus	Leaf	--	0.5	-1.08	*
Cichorium intybus	Plant	--	--		*
Cimicifuga dahurica	Rhizome	--	--		*
Citrullus colocynthis	Fruit	--	--		*

Citrus paradisi	Pericarp	25.0	160.0	-1.0	*
Citrus sinensis	Fruit	10.0	30.0	-0.76	*
Citrus limon	Fruit	14.0	40.0	-0.38	*
Citrus reticulata	Pericarp	--	--		*
Citrus sinensis	Fruit Juice	--	--		Jim Duke's personal files.
Citrus sinensis	Pericarp	20.0	180.0	1.0	*
Citrus paradisi	Fruit	25.0	35.0	-0.57	*
Cnicus benedictus	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cnicus benedictus	Shoot	--	--		Jim Duke's personal files.
Cocos nucifera	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Coix lacryma-jobi	Pericarp	--	--		*
Commiphora wightii	Resin, Exudate, Sap	--	--		Jim Duke's personal files.
Convallaria majalis	Plant	--	--		*
Coptis spp	Rhizome	--	--		*
Coptis japonica	Rhizome	--	--		*
Coptis chinensis	Rhizome	--	--		*
Coriandrum sativum	Plant	--	11.0	-1.38	*
Cucumis sativus	Fruit	--	--		*
Cucumis melo	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
Cucurbita pepo	Plant	--	--		*
Cydonia oblonga	Fruit	--	--		*
Cynara cardunculus	Plant	--	--		*
Datura stramonium	Plant	--	--		*
Daucus carota	Root	--	--		*
Digitalis purpurea	Leaf	--	--		*
Dioscorea alata	Plant	--	--		*
Dipteryx odorata	Leaf	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Echinacea spp	Plant	--	--		*
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	Root	--	--		*
Equisetum hyemale	Plant	--	--		*
Equisetum arvense	Plant	--	--		*
Eucalyptus globulus	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Eucalyptus citriodora	Leaf	--	--		*
Euphorbia lathyris	Leaf	--	--		*
Euphorbia hirta	Leaf	--	--		*
Euphrasia officinalis	Plant	--	--		Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.
Ferula assa-foetida	Gum	--	--		*

Ferula assa-foetida	Resin, Exudate, Sap	--	13000.0		*
Ferula assa-foetida	Essential Oil	--	--		*
Ficus carica	Plant	--	--		*
Foeniculum vulgare	Fruit	--	--		*
Foeniculum vulgare	Seed	--	0.5	-0.43	*
Gaultheria procumbens	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Glechoma hederacea	Plant	--	--		*
Glycine max	Shoot	--	--		*
Glycine max	Plant	1.0	4.0	-1.39	*
Glycine max	Seed	1.0	4.0	-0.43	*
Glycyrrhiza glabra	Plant	--	--		*
Helianthus annuus	Pollen Or Spore	2.0	3.0		*
Hierochloe odorata	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Hordeum vulgare	Seed	--	--		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.
Huperzia spp	Plant	--	--		*
Hura crepitans	Leaf	--	--		*
Hypericum perforatum	Plant	--	--		*
Hyssopus officinalis	Plant	--	--		Jim Duke's personal files.
Juglans regia	Testa	10.0	65.0		*
Juglans regia	Seed	0.4	1.0	-0.43	*
Juglans nigra	Seed	--	--		*
Juniperus communis	Leaf	--	--		*
Kalanchoe pinnata	Plant	--	--		*
Lactuca sativa	Plant	--	--		*
Lens culinaris	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Levisticum officinale	Fruit	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Ligustrum japonicum	Flower	--	--		*
Linum usitatissimum	Seed	--	--		*
Lycopersicon esculentum	Fruit	--	--		*
Lycopodium clavatum	Plant	--	--		*
Lycopodium selago	Plant	--	--		*
Lycopus europeus	Plant	--	--		Jim Duke's personal files.
Malus domestica	Fruit	4.0	95.0	1.72	*
Medicago sativa	Leaf	--	--		*
Medicago sativa	Tissue Culture	--	--		*
Melia azedarach	Plant	--	--		*

Melilotus officinalis	Shoot	--	--	*
Melilotus officinalis	Plant	--	--	Pharmazie, 46: 156, 1991.
Mentha x rotundifolia	Shoot	--	--	Jim Duke's personal files.
Menyanthes trifoliata	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Myroxylon balsamum	Plant	--	--	*
Nicotiana tabacum	Flower	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Oenothera biennis	Plant	--	--	*
Ononis spinosa	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.
Opopanax chironium	Resin, Exudate, Sap	--	--	*
Oryza sativa	Plant	--	--	*
Panax quinquefolius	Plant	--	--	*
Panax ginseng	Root	--	--	*
Papaver somniferum	Pericarp	--	--	*
Phaseolus vulgaris	Plant	--	--	*
Pinus sylvestris	Bark	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pisum sativum	Seed	--	--	*
Plantago major	Plant	--	--	*
Polygala senega	Root	--	--	*
Portulaca oleracea	Plant	--	--	*
Prunus cerasus	Plant	--	--	*
Prunus persica	Plant	--	--	*
Prunus dulcis	Plant	--	--	*
Prunus spinosa	Plant	--	--	*
Prunus domestica	Fruit	--	--	Jim Duke's personal files.
Pteridium aquilinum	Plant	--	--	*
Punica granatum	Fruit	--	--	Seeram, N. P., Schulman, R. N., and Heber, D., eds. 2006. Pomegranates - Ancient Roots to Modern Medicine. Taylor & Francis. Boca Raton, FL. 244 pp.
Raphanus sativus	Root	--	16.0	*
Rheum rhabarbarum	Root	--	--	*
Rheum rhabarbarum	Pt	--	8.0	*
Rheum officinale	Root	--	--	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Ribes uva-crispa	Fruit	--	--	*
Ribes nigrum	Fruit	--	--	*
Ricinus communis	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Rosa canina	Stem	--	--	*
Rosa canina	Tissue Culture	--	--	*
Rubus idaeus	Fruit	--	--	*

Rubus idaeus	Plant	--	--		*
Rubus fruticosus	Fruit	--	--		*
Salvia officinalis	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
Salvia sp.	Seed	--	2136.0	2.45	Phenolic Compounds in Food and Their Effects on Health, 67.
Sambucus nigra	Plant	--	--		*
Serenoa repens	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Sesamum indicum	Fruit	--	--		*
Sesamum indicum	Leaf	--	--		*
Solanum tuberosum	Tuber	13.0	225.0		*
Solanum melongena	Root	--	--		*
Solidago gigantea	Plant	--	1040.0	0.93	*
Sophora japonica	Plant	--	--		*
Spinacia oleracea	Inflorescence	--	--		*
Spinacia oleracea	Leaf	--	16.0	0.37	*
Stellaria media	Shoot	--	--		*
Taraxacum officinale	Flower	--	--		*
Taxus baccata	Leaf	0.1	3.5	-0.8	*
Tecoma stans	Plant	--	--		*
Theobroma cacao	Seed	--	--		*
Thymus vulgaris	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
Triticum aestivum	Seed	15.0	32.0	-0.39	*
Urtica dioica	Plant	--	--		*
Vaccinium myrtillus	Fruit	--	--		*
Vaccinium myrtillus	Fruit Juice	--	--		*
Vaccinium corymbosum	Plant	--	--		*
Vaccinium macrocarpon	Fruit	--	--		*
Vaccinium myrtillus	Leaf	--	--		*
Vanilla planifolia	Root	--	--		*
Vicia faba	Plant	--	--		*
Viola odorata	Plant	--	--		*
Vitis vinifera	Fruit	--	--		*
Zea mays	Seed	6.0	27.0	-0.4	*
Zea mays	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Zea mays	Sprout Seedling	--	--		*
Zingiber officinale	Plant	--	--		Stitt, Paul. Why George should eat broccoli.