

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for URSOLIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
Agrimonia eupatoria	Plant		6000.0	-0.5090810752075852	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Arbutus unedo	Leaf				--
Arctostaphylos uva-ursi	Plant				--
Arctostaphylos uva-ursi	Leaf	4000.0	7500.0	-0.24659009656320915	--
Arctostaphylos uva-ursi	Shoot				--
Artocarpus heterophyllus	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
Berberis vulgaris	Fruit				Jim Duke's personal files.
Catalpa bignonioides	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Catharanthus roseus	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chimaphila umbellata	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Chimaphila umbellata	Shoot				--
Chrysanthemum x morifolium	Flower				Wealth of India.
Cnicus benedictus	Plant				Jim Duke's personal files.
Cornus officinalis	Seed				--
Cornus mas	Shoot				Zorina, A. D., Matyukhina, L. G., Ryabinin, A. A. 1966. Triterpenes in Some Plant Species. Chem Nat Comp, 2(4): 291.
Cornus officinalis	Fruit				--
Cornus mas	Flower				Grigorescu, E., Ionescu, A. P. 1976. Isolation of Ursolic Acid from Cornus mas (Cornaceae). Phytochemistry, 15: 1097.
Cornus florida	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Crataegus laevigata</i>	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Crataegus monogyna</i>	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Crataegus rhipidophylla</i>	Shoot				--
<i>Crataegus laevigata</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Crataegus laevigata</i>	Shoot				--
<i>Crataegus rhipidophylla</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Crataegus monogyna</i>	Inflorescence				--
<i>Crataegus cuneata</i>	Fruit				--
<i>Cryptostegia grandifolia</i>	Leaf				--
<i>Duboisia myoporoides</i>	Shoot		10.0	-0.7356690493616181	--
<i>Duchesnea indica</i>	Plant		1.6	-0.7954888884326422	--
<i>Elaeagnus pungens</i>	Leaf				Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Eriobotrya japonica</i>	Leaf	13.7	955.6	-0.39428056659544786	--
<i>Eucalyptus citriodora</i>	Root		67.0	1.0	--
<i>Eucalyptus globulus</i>	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
<i>Eucalyptus globulus</i>	Wood		8.0		--
<i>Eucalyptus citriodora</i>	Leaf				--
<i>Eucalyptus citriodora</i>	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Eucalyptus grandis</i>	Leaf		6000.0	-0.28044128308120286	--
<i>Forsythia suspensa</i>	Fruit				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Gaultheria fragrantissima</i>	Leaf				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
<i>Gaultheria procumbens</i>	Leaf				--
<i>Glechoma hederacea</i>	Plant		166.0	-0.787639221105655	Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Harpagophytum procumbens</i>	Tuber				--
<i>Harpagophytum procumbens</i>	Root				--
<i>Helichrysum angustifolium</i>	Stem				--
<i>Helichrysum angustifolium</i>	Flower				--
<i>Holarrhena pubescens</i>	Leaf				--
<i>Humulus lupulus</i>	Stem				--
<i>Hyptis capitata</i>	Shoot				Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. J. Nat. Prod., 61 (9): 1090-1095.
<i>Hyssopus officinalis</i>	Plant		4900.0	-0.5616031801935085	--
<i>Ilex paraguariensis</i>	Leaf				--
<i>Lavandula angustifolia</i>	Leaf		7000.0	-0.2578738254025404	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Lavandula latifolia</i>	Leaf	10000.0	19000.0	0.012935666741409262	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Leonurus cardiaca</i>	Plant				--
<i>Ligustrum lucidum</i>	Plant				--
<i>Ligustrum lucidum</i>	Fruit		0.3	-1.0690174765081477	--
<i>Ligustrum japonicum</i>	Fruit				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Limonia acidissima</i>	Wood				Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<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>Malus domestica</i>	Wax				--
<i>Malus domestica</i>	Fruit Epidermis				--
<i>Malus domestica</i>	Pericarp				--
<i>Marrubium vulgare</i>	Leaf		1000.0	-0.39327857147451517	--
<i>Marrubium vulgare</i>	Flower				--
<i>Marrubium vulgare</i>	Plant		1200.0	-0.7382684424188871	--
<i>Melaleuca leucadendra</i>	Plant				--
<i>Melissa officinalis</i>	Plant				--
<i>Mentha spicata</i>	Shoot				--
<i>Mentha x rotundifolia</i>	Tissue Culture				Jim Duke's personal files.
<i>Mentha spicata</i>	Plant				--
<i>Mentha spicata</i>	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Monarda didyma</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Morinda citrifolia</i>	Leaf				--
<i>Nepeta cataria</i>	Plant				--
<i>Nepeta cataria</i>	Shoot		10300.0	1.8174623226218731	--
<i>Nerium oleander</i>	Plant		43000.0	1.2575715470462003	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum canum	Shoot				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Ocimum tenuiflorum	Leaf	2520.0	4780.0	-0.3079735814491711	--
Ocimum basilicum	Sprout Seedling		63.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Ocimum basilicum	Leaf				--
Ocimum tenuiflorum	Inflorescence	10.0	30.0		--
Ocimum tenuiflorum	Plant				--
Ocimum basilicum	Flower		1740.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Ocimum tenuiflorum	Stem	20.0	100.0	-1.1136867413673455	--
Ocimum basilicum	Stem		845.0	0.7881966335751702	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Origanum vulgare	Plant		3100.0	-0.6475484428977467	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Origanum majorana	Plant	500.0	2100.0	-0.695295811066768	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Plantago asiatica	Plant				--
Plantago major	Plant				--
Plectranthus amboinicus	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Prosopis glandulosa	Shoot		145.0	-0.7021731567262663	Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. J. Nat. Prod., 61 (9): 1090-1095.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Prunella vulgaris	Plant				--
Prunella vulgaris	Shoot	211.0	4400.0	0.35356775559538145	--
Prunus africana	Bark		28900.0		--
Prunus persica	Leaf				--
Prunus laurocerasus	Leaf		10000.0	-0.19017145236655297	--
Prunus serotina	Leaf				Chemical Constituents of Oriental Herbs (3 diff. books)
Prunus cerasus	Fruit				--
Psidium guajava	Leaf				--
Psidium guajava	Fruit				--
Punica granatum	Flower				--
Punica granatum	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Punica granatum	Seed				--
Punica granatum	Pericarp		6000.0		Hegnauer, R. 1962-1997. Chemotaxonomie der Pflanzen, Bde 1-11. Birkhauser Verlag Basel, Boston, Berlin.
Punica granatum	Leaf		4500.0	-0.31429246959919654	--
Pyrus communis	Fruit				--
Rhododendron dauricum	Plant				--
Rhododendron ponticum	Leaf				--
Rhododendron ferrugineum	Leaf				--
Rosmarinus officinalis	Shoot		20.0	-0.7331878721293699	--
Rosmarinus officinalis	Plant	28000.0	41000.0	1.1620768107081578	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Rosmarinus officinalis	Leaf	28000.0	192000.0	3.917105845150017	--
Rubus fruticosus	Plant				--
Salvia officinalis	Stem		200.0	-0.8584003823146588	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Salvia triloba	Plant		74500.0	2.761613644370369	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Salvia officinalis	Leaf	1255.0	1300.0	-0.38650833417091646	--
Salvia sclarea	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Salvia officinalis	Root				--
Sambucus nigra	Leaf				--
Sambucus nigra	Flower				--
Sambucus nigra	Bark				--
Sanguisorba officinalis	Plant				--
Satureja hortensis	Stem		1000.0	1.1838904901068346	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Satureja hortensis	Leaf		1700.0	-0.37748135109945147	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Satureja montana	Leaf		16000.0	-0.054766706294578145	--
Satureja montana	Plant		16000.0	-0.03160739351737296	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sorbus aucubaria	Fruit				--
Syringa vulgaris	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Syzygium claviflorum	Leaf		20.0	-0.41539467999960444	Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. J. Nat. Prod., 61 (9): 1090-1095.
Teucrium scorodonia	Leaf		3000.0	-0.3481436561171903	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
Teucrium chamaedrys	Plant				Abstract (See species file)
Teucrium scordium	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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.
Thevetia peruviana	Leaf		1500.0	-0.38199484263518396	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Thymus vulgaris	Plant	15000.0	18800.0	0.1020852373558865	--
Thymus serpyllum	Plant	7500.0	9100.0	-0.3610642338836193	--
Uncaria tomentosa	Plant				--
Urtica dioica	Root		15.0	-1.0	Jim Duke's personal files.
Vaccinium vitis-idaea	Fruit		7500.0	1.3363199543081485	--
Vaccinium corymbosum	Plant				--
Vaccinium macrocarpon	Fruit				--
Vaccinium myrtillus	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vaccinium myrtillus	Fruit		2500.0	-0.2673024778	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Verbena officinalis	Plant				--
Viburnum opulus	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Viburnum prunifolium	Root Bark				--
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
Vinca minor	Plant	2400.0	13400.0	-0.15575055075682817	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vinca minor	Leaf	1400.0	37000.0	0.41914990495733373	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vitis vinifera	Fruit				--
Zizyphus jujuba	Plant				--