

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for KAEMPFEROL

Plant	Part	Low PPM	High PPM	StdDev	Reference
Maclura pomifera	Fruit		10000.0	1.7320451833851958	--
Azadirachta indica	Flower		2000.0	1.332774642908181	--
Thespesia populnea	Flower		700.0	-0.25677309634010825	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Camellia sinensis	Leaf		520.0	1.8918097649170893	--
Pisum sativum	Tissue Culture		500.0		--
Brassica oleracea var. capitata l.	Leaf	100.0	300.0	0.7719941193159421	Jim Duke's personal files.
Brassica oleracea	Shoot		80.0	1.7121854289040663	--
Allium schoenoprasum	Leaf	16.0	55.0	-0.4750733041944262	--
Brassica oleracea var. botrytis l.	Flower		30.0	-1.0760015465680726	--
Syzygium aromaticum	Fruit		29.0	-0.5731869083869251	--
Maclura pomifera	Bark		29.0		--
Agrimonia eupatoria	Shoot		24.0	-0.33987201397721156	--
Cichorium intybus	Seed		20.0		--
Acinos suaveolens	Shoot		16.6	-0.6110367475008089	Jim Duke's personal files.
Brassica oleracea var. sabellica l.	Leaf		13.0	-0.6888562910819179	--
Melilotus officinalis	Shoot		12.5	-0.7612766674260454	--
Armoracia rusticana	Root		6.0		--
Vitis vinifera	Fruit		2.0	-0.5794291374991353	--
Allium cepa	Bulb		2.0		--
Malus domestica	Fruit		2.0	-0.5794291374991353	--
Spinacia oleracea	Leaf		2.0	-0.7448470733619753	--
Apium graveolens	Leaf		0.0	-0.755027215594713	--
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.
Rosa damascena	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Punica granatum</i>	Pericarp				Seeram, N. P., Schulman, R. N., and Heber, D., eds. 2006. Pomegranates - Ancient Roots to Modern Medicine. Taylor & Francis. Boca Raton, FL. 244 pp.
<i>Anethum graveolens</i>	Seed				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>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>Aesculus hippocastanum</i>	Seed				--
<i>Diospyros virginiana</i>	Plant				--
<i>Myristica fragrans</i>	Plant				--
<i>Acacia catechu</i>	Plant				--
<i>Acacia farnesiana</i>	Fruit				--
<i>Pistacia lentiscus</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ammi visnaga</i>	Plant				--
<i>Trifolium pratense</i>	Leaf				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<i>Euphrasia officinalis</i>	Plant				Jim Duke's personal files.
<i>Ginkgo biloba</i>	Leaf				--
<i>Maclura pomifera</i>	Wood				Smith, J. L. and Perino, J. V. 1981. Osage Orange (<i>Maclura pomifera</i>): History and Economic Uses. Economic Botany 35(1): 24-41
<i>Prunus persica</i>	Leaf				--
<i>Cichorium intybus</i>	Plant				--
<i>Melia azedarach</i>	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Passiflora incarnata	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.
Zingiber officinale	Plant				Stitt, Paul. Why George should eat broccoli.
Abutilon theophrasti	Flower				Matlawska, I. 1990. Investigation of Flavonoid Compounds of Selected Species from Malvaceae Family. Herba Pol., 36(3): 65-69.
Silybum marianum	Flower				--
Lycium chinense	Leaf				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Abutilon theophrasti	Leaf				Matlawska, I. 1990. Investigation of Flavonoid Compounds of Selected Species from Malvaceae Family. Herba Pol., 36(3): 65-69.
Glycine max	Leaf				--
Glycine max	Shoot				--
Glycine max	Seed				--
Paeonia lactiflora	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Solidago gigantea	Flower				--
Crocus sativus	Flower				--
Solanum tuberosum	Flower				--
Echinacea spp	Leaf				Economic & Medicinal Plant Research, 5: 253.
Tsuga canadensis	Branches				--
Petroselinum crispum	Plant				Stitt, Paul. Why George should eat broccoli.
Vaccinium vitis-idaea	Fruit				--
Centella asiatica	Leaf				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tagetes patula	Plant				--
Daucus carota	Seed				--
Eupatorium perfoliatum	Plant				--
Corylus avellana	Bark				--
Nicotiana tabacum	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ligustrum japonicum	Flower				--
Gossypium sp	Flower				--
Magnolia denudata	Plant				--
Hura crepitans	Leaf				--
Teucrium polium	Plant				Abstract (See species file)
Urtica dioica	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.
Albizia lebbeck	Leaf				Wealth of India.
Crataegus monogyna	Inflorescence				--
Crataegus monogyna	Flower				--
Crataegus monogyna	Leaf				--
Rhus toxicodendron	Plant				--
Sambucus nigra	Flower				--
Althaea officinalis	Leaf				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.
Artemisia annua	Plant				--
Capsicum frutescens	Anther				--
Lactuca sativa	Plant				--
Isatis tinctoria	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Serenoa repens</i>	Fruit				By assumption; if a glycoside is reported, it is automatically assumed that the aglycone is present also in the plant, though sometimes in traces only.
<i>Robinia pseudoacacia</i>	Flower				--
<i>Paeonia moutan</i>	Leaf				--
<i>Glycyrrhiza glabra</i>	Shoot				--
<i>Glycyrrhiza glabra</i>	Root				--
<i>Physalis peruviana</i>	Fruit				--
<i>Viburnum opulus</i>	Leaf				--
<i>Sophora japonica</i>	Plant				--
<i>Terminalia catappa</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Euphorbia hirta</i>	Leaf				--
<i>Podophyllum hexandrum</i>	Rhizome				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Althaea officinalis</i>	Root				--
<i>Piper nigrum</i>	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Leaf				--
<i>Punica granatum</i>	Plant				--
<i>Acacia senegal</i>	Plant				Pakistan Encyclopedia Planta Medica. 1986.
<i>Hippophae rhamnoides</i>	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Prunus dulcis</i>	Plant				--
<i>Prunus cerasus</i>	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus moschatus	Flower				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.
Trigonella foenum-graecum	Flower				--
Podophyllum pleianthum	Rhizome				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Dodonaea viscosa	Plant				--
Viola odorata	Plant				--
Prunella vulgaris	Flower				--
Holarrhena pubescens	Leaf				--
Cucurbita pepo	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Fragaria spp	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Glycine max	Plant				--
Cornus mas	Leaf				Bate-Smith, E. C., Ferguson, I. K., Hutson, K., Jensen, S. R., Nielsen, B. J., Swain, T. 1975. Phytochemical Interrelationships in the Cornaceae. Biochem. Syst. Ecol., 3: 79.
Moringa oleifera	Flower				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Catharanthus roseus	Plant				Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
Filipendula ulmaria	Flower				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Spinacia oleracea	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Astragalus membranaceus	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Trifolium pratense	Flower				--
Schinus molle	Leaf				--
Syzygium aromaticum	Flower				--
Kalanchoe pinnata	Leaf				--
Acalypha indica	Plant				Wealth of India.
Euphorbia lathyris	Leaf				--
Paeonia suffruticosa	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Petasites japonicus	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
Acacia farnesiana	Plant				--
Humulus lupulus	Leaf				Chemical Constituents of Oriental Herbs (3 diff. books)
Trigonella foenum-graecum	Plant				--
Guazuma tomentosa	Flower				--
Camellia sinensis	Plant				--
Thymus vulgaris	Plant				Stitt, Paul. Why George should eat broccoli.
Magnolia kobus	Plant				--
Pastinaca sativa	Seed				--
Cuscuta reflexa	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Schinus terebinthifolius	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus paradisi	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vigna radiata	Sprout Seedling				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sanguisorba minor	Plant				--
Oenothera biennis	Leaf				--
Kalanchoe spathulata	Leaf				--
Trigonella foenum-graecum	Leaf				--
Drimys winteri	Leaf				--
Elaeagnus angustifolia	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Silybum marianum	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Valeriana officinalis	Plant				--
Asparagus officinalis	Root				--
Equisetum arvense	Plant				--
Opuntia ficus-indica	Flower				--
Rhododendron dauricum	Plant				--
Galega officinalis	Shoot				--
Sanguisorba officinalis	Plant				--
Geranium thunbergii	Leaf				--
Borago officinalis	Plant				Jim Duke's personal files.
Beta vulgaris	Plant				--
Ceiba pentandra	Flower				=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
Cinnamomum camphora	Plant				--
Hamamelis virginiana	Leaf				--
Prunus serotina	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Punica granatum</i>	Leaf				--
<i>Prunus laurocerasus</i>	Plant				--
<i>Vitex agnus-castus</i>	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.
<i>Magnolia officinalis</i>	Plant				--
<i>Moringa oleifera</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Nelumbo nucifera</i>	Plant				--
<i>Theobroma cacao</i>	Leaf				Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
<i>Prunus armeniaca</i>	Fruit				--
<i>Panax quinquefolius</i>	Plant				--
<i>Phyllanthus emblica</i>	Leaf				--
<i>Foeniculum vulgare</i>	Plant				--
<i>Thevetia peruviana</i>	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Musa x paradisiaca</i>	Plant				Stitt, Paul. Why George should eat broccoli.
<i>Hydrangea arborescens</i>	Root				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>Plumeria acutifolia</i>	Flower				--
<i>Ageratum conyzoides</i>	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Armoracia rusticana</i>	Leaf				Abstract (See species file)
<i>Centella asiatica</i>	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Paeonia officinalis</i>	Flower				Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
<i>Juglans regia</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ribes nigrum</i>	Fruit Juice				--
<i>Melaleuca leucadendra</i>	Plant				--
<i>Castanea sativa</i>	Leaf				--
<i>Chimaphila umbellata</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Cornus florida</i>	Flower				--
<i>Tribulus terrestris</i>	Flower				--
<i>Polygonum hydropiper</i>	Plant				--
<i>Ephedra sinica</i>	Shoot				Jim Duke's personal files.
<i>Allium sativum</i> var. <i>sativum</i>	Plant				--
<i>Urtica dioica</i>	Inflorescence				Jim Duke's personal files.
<i>Artemisia annua</i>	Shoot				Wright, C.W. (Ed) 2002. Medicinal & Aromatic Plants-Industrial Profiles. Artemisia. 344pp. Maffei, M. (Ed) 2002. Vetiveria. The Genus Vetiveria. Taylor & Francis. NY, NY. 191pp. Southwell, I., Lowe, R. (Eds) 1999. Tea Tree. The Genus Melaleuca. Harwood Acad. Pub. Amsterdam, Netherlands.
<i>Origanum vulgare</i>	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Brassica oleracea</i> var. <i>italica</i>	Leaf				Stitt, Paul. Why George should eat broccoli.
<i>Prunus armeniaca</i>	Leaf				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ribes nigrum	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ocimum basilicum	Leaf				--
Helianthemum glomeratum	Leaf				Meckes, M., Calzada, F., Tapia-Contreras, A., Cedillo-Rivera, R. 1999. Antiprotozoal Properties of Helianthemum glomeratum. Phytotherapy Research, 13(2): 102-105.
Melilotus officinalis	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Menyanthes trifoliata	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.
Populus tacamahacca	Plant				--
Cola acuminata	Plant				--
Rubus idaeus	Juice				--
Panax ginseng	Leaf				--
Podophyllum peltatum	Rhizome				--
Harpagophytum procumbens	Root				Abstract (See species file)
Hypericum perforatum	Plant				--
Frangula alnus	Seed				--
Lycopersicon esculentum	Seed				--
Centaurea cyanus	Shoot				Jim Duke's personal files.
Vicia faba	Shoot				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Erythroxylum coca	Plant				--
Pinus mugo	Wood				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
Prunus spinosa	Flower				--
Ricinus communis	Plant				--
Ononis spinosa	Shoot				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.
Vitis vinifera	Leaf				--
Berberis vulgaris	Plant				--
Prunus domestica	Wood				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Mangifera indica	Plant				--
Polygonum hydropiperoides	Plant				--
Cyamopsis tetragonoloba	Fruit				Daniel, M. 1989. Polyphenols of Some Indian Vegetables. Curr Sci, 58(23): 1332-1334.
Uncaria guianensis	Leaf				--
Carum carvi	Seed				--
Carum carvi	Leaf				--
Carum carvi	Flower				--
Medicago sativa	Flower				--
Eriobotrya japonica	Plant				--
Calendula officinalis	Plant				--
Anemone pulsatilla	Leaf				--
Harpagophytum procumbens	Tuber				--
Aesculus hippocastanum	Bud				Jim Duke's personal files.
Echinacea angustifolia	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Melilotus officinalis	Flower				--
Ficus carica	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Musa x paradisiaca	Fruit				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.
Olea europaea	Stem				Chemical Constituents of Oriental Herbs (3 diff. books)
Tagetes erecta	Leaf				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				--
Alpinia officinarum	Rhizome				--
Foeniculum vulgare	Leaf				Jim Duke's personal files.
Opuntia ficus-indica	Pt				--
Centaurea cyanus	Plant				Wealth of India.
Camellia sinensis	Shoot				--
Consolida ajacis	Flower				--
Morus alba	Wood				--
Psidium cattleianum	Plant				--
Laurus nobilis	Plant				--
Panax ginseng	Shoot				--