

# List of Plants



## Chemid

KAEMPFEROL

\*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
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.
Abutilon theophrasti	Leaf	--	--		Matlawska, I. 1990. Investigation of Flavonoid Compounds of Selected Species from Malvaceae Family. Herba Pol., 36(3): 65-69.
Abutilon theophrasti	Flower	--	--		Matlawska, I. 1990. Investigation of Flavonoid Compounds of Selected Species from Malvaceae Family. Herba Pol., 36(3): 65-69.
Acacia catechu	Plant	--	--		*
Acacia farnesiana	Fruit	--	--		*
Acacia senegal	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Acacia farnesiana	Plant	--	--		*
Acalypha indica	Plant	--	--		Wealth of India.
Acinos suaveolens	Shoot	--	16.6	-0.61	Jim Duke's personal files.
Aesculus hippocastanum	Bud	--	--		Jim Duke's personal files.
Aesculus hippocastanum	Seed	--	--		*
Ageratum conyzoides	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Agrimonia eupatoria	Shoot	--	24.0	-0.34	*
Albizia lebeck	Leaf	--	--		Wealth of India.
Allium cepa	Bulb	--	2.0		*
Allium schoenoprasum	Leaf	16.0	55.0	-0.48	*
Allium sativum var. sativum	Plant	--	--		*
Alpinia officinarum	Rhizome	--	--		*
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.
Althaea officinalis	Root	--	--		*
Ammi visnaga	Plant	--	--		*
Anemone pulsatilla	Leaf	--	--		*
Anethum graveolens	Fruit	--	--		*
Anethum graveolens	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.
Apium graveolens	Leaf	--	--	-0.76	*

Armoracia rusticana	Leaf	--	--		Abstract (See species file)
Armoracia rusticana	Root	--	6.0		*
Artemisia annua	Plant	--	--		*
Artemisia annua	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.
Asparagus officinalis	Root	--	--		*
Astragalus membranaceus	Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Azadirachta indica	Flower	--	2000.0	1.33	*
Berberis vulgaris	Plant	--	--		*
Beta vulgaris	Plant	--	--		*
Borago officinalis	Plant	--	--		Jim Duke's personal files.
Brassica oleracea var. capitata l.	Leaf	100.0	300.0	0.77	Jim Duke's personal files.
Brassica oleracea var. botrytis l.	Flower	--	30.0	-1.08	*
Brassica oleracea	Shoot	--	80.0	1.71	*
Brassica oleracea var. italica	Leaf	--	--		Stitt, Paul. Why George should eat broccoli.
Brassica oleracea var. botrytis l.	Leaf	--	--		*
Brassica oleracea var. sabellica l.	Leaf	--	13.0	-0.69	*
Calendula officinalis	Plant	--	--		*
Camellia sinensis	Shoot	--	--		*
Camellia sinensis	Plant	--	--		*
Camellia sinensis	Leaf	--	520.0	1.89	*
Capsicum frutescens	Anther	--	--		*
Carum carvi	Leaf	--	--		*
Carum carvi	Seed	--	--		*
Carum carvi	Flower	--	--		*
Castanea sativa	Leaf	--	--		*
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.
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
Centaurea cyanus	Plant	--	--		Wealth of India.
Centaurea cyanus	Shoot	--	--		Jim Duke's personal files.

Centella asiatica	Plant	--	--	*
Centella asiatica	Leaf	--	--	Jim Duke's personal files.
Chimaphila umbellata	Plant	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cichorium intybus	Seed	--	20.0	*
Cichorium intybus	Plant	--	--	*
Cinnamomum camphora	Plant	--	--	*
Citrus paradisi	Fruit	--	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cola acuminata	Plant	--	--	*
Consolida ajacis	Flower	--	--	*
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.
Cornus florida	Flower	--	--	*
Corylus avellana	Bark	--	--	*
Crataegus monogyna	Inflorescence	--	--	*
Crataegus monogyna	Leaf	--	--	*
Crataegus monogyna	Flower	--	--	*
Crocus sativus	Flower	--	--	*
Cucurbita pepo	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cuscuta reflexa	Plant	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cyamopsis tetragonoloba	Fruit	--	--	Daniel, M. 1989. Polyphenols of Some Indian Vegetables. Curr Sci, 58(23): 1332-1334.
Daucus carota	Seed	--	--	*
Diospyros virginiana	Plant	--	--	*
Dodonaea viscosa	Plant	--	--	*
Drimys winteri	Leaf	--	--	*
Echinacea angustifolia	Leaf	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Echinacea spp	Leaf	--	--	Economic & Medicinal Plant Research, 5: 253.
Elaeagnus angustifolia	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ephedra sinica	Shoot	--	--	Jim Duke's personal files.
Equisetum arvense	Plant	--	--	*
Eriobotrya japonica	Plant	--	--	*
Erythroxylum coca	Plant	--	--	*
Eupatorium perfoliatum	Plant	--	--	*
Euphorbia hirta	Leaf	--	--	*
Euphorbia lathyris	Leaf	--	--	*
Euphrasia officinalis	Plant	--	--	Jim Duke's personal files.
Ficus carica	Plant	--	--	*

Filipendula ulmaria	Flower	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Foeniculum vulgare	Plant	--	--		*
Foeniculum vulgare	Leaf	--	--		Jim Duke's personal files.
Fragaria spp	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Frangula alnus	Seed	--	--		*
Galega officinalis	Shoot	--	--		*
Geranium thunbergii	Leaf	--	--		*
Ginkgo biloba	Leaf	--	--		*
Glycine max	Leaf	--	--		*
Glycine max	Plant	--	--		*
Glycine max	Seed	--	--		*
Glycine max	Shoot	--	--		*
Glycyrrhiza glabra	Root	--	--		*
Glycyrrhiza glabra	Shoot	--	--		*
Gossypium sp	Flower	--	--		*
Guazuma tomentosa	Flower	--	--		*
Hamamelis virginiana	Leaf	--	--		*
Harpagophytum procumbens	Root	--	--		Abstract (See species file)
Harpagophytum procumbens	Tuber	--	--		*
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.
Hippophae rhamnoides	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Holarrhena pubescens	Leaf	--	--		*
Humulus lupulus	Leaf	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Hura crepitans	Leaf	--	--		*
Hydrangea arborescens	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.
Hypericum perforatum	Plant	--	--		*
Isatis tinctoria	Plant	--	--		*
Juglans regia	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Kalanchoe pinnata	Leaf	--	--		*
Kalanchoe spathulata	Leaf	--	--		*
Lactuca sativa	Plant	--	--		*
Laurus nobilis	Plant	--	--		*
Ligustrum japonicum	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.

Lycopersicon esculentum	Seed	--	--		*
Maclura pomifera	Fruit	--	10000.0	1.73	*
Maclura pomifera	Bark	--	29.0		*
Maclura pomifera	Wood	--	--		Smith, J. L. and Perino, J. V. 1981. Osage Orange (Maclura pomifera): History and Economic Uses. Economic Botany 35(1): 24-41
Magnolia officinalis	Plant	--	--		*
Magnolia kobus	Plant	--	--		*
Magnolia denudata	Plant	--	--		*
Malus domestica	Fruit	--	2.0	-0.58	*
Mangifera indica	Plant	--	--		*
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.
Medicago sativa	Flower	--	--		*
Melaleuca leucadendra	Plant	--	--		*
Melia azedarach	Plant	--	--		*
Melilotus officinalis	Flower	--	--		*
Melilotus officinalis	Shoot	--	12.5	-0.76	*
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.
Moringa oleifera	Flower	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Moringa oleifera	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Morus alba	Wood	--	--		*
Musa x paradisiaca	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
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.
Myristica fragrans	Plant	--	--		*
Nelumbo nucifera	Plant	--	--		*
Nicotiana tabacum	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum basilicum	Leaf	--	--		*
Oenothera biennis	Leaf	--	--		*
Olea europaea	Stem	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
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.
Opuntia ficus- indica	Pt	--	--		*
Opuntia ficus- indica	Flower	--	--		*
Origanum vulgare	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

<i>Paeonia moutan</i>	Leaf	--	--		*
<i>Paeonia lactiflora</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Paeonia officinalis</i>	Flower	--	--		Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
<i>Paeonia suffruticosa</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Panax quinquefolius</i>	Plant	--	--		*
<i>Panax ginseng</i>	Leaf	--	--		*
<i>Panax ginseng</i>	Shoot	--	--		*
<i>Passiflora incarnata</i>	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.
<i>Pastinaca sativa</i>	Seed	--	--		*
<i>Petasites japonicus</i>	Plant	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Petroselinum crispum</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Phyllanthus emblica</i>	Leaf	--	--		*
<i>Physalis peruviana</i>	Fruit	--	--		*
<i>Pinus mugo</i>	Wood	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<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>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>Pisum sativum</i>	Tissue Culture	--	500.0		*
<i>Plumeria acutifolia</i>	Flower	--	--		*
<i>Podophyllum hexandrum</i>	Rhizome	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Podophyllum peltatum</i>	Rhizome	--	--		*
<i>Podophyllum pleianthum</i>	Rhizome	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Polygonum hydropiper</i>	Plant	--	--		*
<i>Polygonum hydropiperoides</i>	Plant	--	--		*
<i>Populus tacamahacca</i>	Plant	--	--		*
<i>Prunella vulgaris</i>	Flower	--	--		*
<i>Prunus dulcis</i>	Plant	--	--		*
<i>Prunus armeniaca</i>	Leaf	--	--		*
<i>Prunus serotina</i>	Plant	--	--		*
<i>Prunus armeniaca</i>	Fruit	--	--		*
<i>Prunus persica</i>	Leaf	--	--		*
<i>Prunus domestica</i>	Wood	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Prunus laurocerasus</i>	Plant	--	--		*
<i>Prunus cerasus</i>	Plant	--	--		*
<i>Prunus spinosa</i>	Flower	--	--		*
<i>Psidium cattleianum</i>	Plant	--	--		*

<i>Punica granatum</i>	Leaf	--	--		*
<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>Punica granatum</i>	Plant	--	--		*
<i>Punica granatum</i>	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.
<i>Rhododendron dauricum</i>	Plant	--	--		*
<i>Rhus toxicodendron</i>	Plant	--	--		*
<i>Ribes nigrum</i>	Fruit	--	--		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>Ricinus communis</i>	Plant	--	--		*
<i>Robinia pseudoacacia</i>	Flower	--	--		*
<i>Rosa damascena</i>	Plant	--	--		*
<i>Rubus idaeus</i>	Juice	--	--		*
<i>Sambucus nigra</i>	Flower	--	--		*
<i>Sanguisorba officinalis</i>	Plant	--	--		*
<i>Sanguisorba minor</i>	Plant	--	--		*
<i>Schinus molle</i>	Leaf	--	--		*
<i>Schinus terebinthifolius</i>	Leaf	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<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>Silybum marianum</i>	Flower	--	--		*
<i>Silybum marianum</i>	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Solanum tuberosum</i>	Flower	--	--		*
<i>Solidago gigantea</i>	Flower	--	--		*
<i>Sophora japonica</i>	Plant	--	--		*
<i>Spinacia oleracea</i>	Plant	--	--		*
<i>Spinacia oleracea</i>	Leaf	--	2.0	-0.74	*
<i>Syzygium aromaticum</i>	Flower	--	--		*
<i>Syzygium aromaticum</i>	Fruit	--	29.0	-0.57	*
<i>Tagetes patula</i>	Plant	--	--		*
<i>Tagetes erecta</i>	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.
<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>Teucrium polium</i>	Plant	--	--		Abstract (See species file)
<i>Theobroma cacao</i>	Leaf	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.

<i>Thespesia populnea</i>	Flower	--	700.0	-0.26	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Thevetia peruviana</i>	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Thymus vulgaris</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Tribulus terrestris</i>	Flower	--	--		*
<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>Trifolium pratense</i>	Flower	--	--		*
<i>Trigonella foenum-graecum</i>	Flower	--	--		*
<i>Trigonella foenum-graecum</i>	Plant	--	--		*
<i>Trigonella foenum-graecum</i>	Leaf	--	--		*
<i>Tsuga canadensis</i>	Branches	--	--		*
<i>Uncaria guianensis</i>	Leaf	--	--		*
<i>Urtica dioica</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>Urtica dioica</i>	Inflorescence	--	--		Jim Duke's personal files.
<i>Vaccinium vitis-idaea</i>	Fruit	--	--		*
<i>Valeriana officinalis</i>	Plant	--	--		*
<i>Viburnum opulus</i>	Leaf	--	--		*
<i>Vicia faba</i>	Shoot	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Vigna radiata</i>	Sprout Seedling	--	--		*
<i>Viola odorata</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>Vitis vinifera</i>	Fruit	--	2.0	-0.58	*
<i>Vitis vinifera</i>	Leaf	--	--		*
<i>Zingiber officinale</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.