

List of Plants

C

BETA-SITOSTEROL

Chemid

BETASITOSTEROL

Dosage

LD50=3,000 mg/kg (ipr mus)	
LDlo=>10,000 (inj rat)	
ADI=9-30 g/day/man	Martindale's 28th

*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 esculentus	Fruit	--	150.0	-0.6	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Abelmoschus moschatus	Seed	--	--		Wealth of India.
Abies spectabilis	Leaf	--	--		*
Abrus precatorius	Seed	--	--		Wealth of India.
Acacia senegal	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Achillea millefolium	Plant	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Achyranthes bidentata	Root	--	--		*
Actinidia chinensis	Plant	--	--		*
Aesculus hippocastanum	Leaf	--	--		Jim Duke's personal files.
Aesculus hippocastanum	Seed	--	--		Jim Duke's personal files.
Aesculus hippocastanum	Bark	--	--		Jim Duke's personal files.
Agastache rugosa	Root	--	--		Jim Duke's personal files.
Agave sisalana	Leaf	--	--		Wealth of India.
Ageratum conyzoides	Plant	--	--		Wealth of India.
Aglaia odorata	Leaf	--	--		Wealth of India.
Agrimonia eupatoria	Shoot	--	25.0	-0.97	*
Ailanthus altissima	Plant	--	--		*
Ajuga bracteosa	Shoot	--	--		Jim Duke's personal files.
Ajuga bracteosa	Plant	--	--		Wealth of India.
Albizia lebbek	Bark	--	--		Wealth of India.
Aleurites fordii	Plant	--	--		*

Alisma plantago-aquatica	Rhizome	--	--		*
Allium cepa	Bulb	120.0	510.0	-1.0	*
Allium cepa	Seed	--	--		Kintia, P. K., Degtiaryova, L. P., Balashova, N. N., Shvets, S. A. 1987. Sterols and Steroidal Glycosides of Bulb Onion Seeds. Fecs. Int. Conf. Chem. Biotechol. Biol. Act. Nat. Prod., (Proc.) 3rd: 166-170.
Allium sativum var. sativum	Bulb	13.0	555.0	1.0	*
Allium ampeloprasum	Plant	--	--		*
Allium cepa	Seed Oil	--	--		Grujic-Injac, B., Basarevic-Dinic, L., Lajsic, S., Stefanovic, D. 1985. Chemical Analysis of Seed Oil of the Onion (Allium cepa). Hrana Ishrana, 25: 167-169 (Inst Ishr Vet Fak Belgrade, Yugoslavia)
Allium sativum var. sativum	Plant	--	--		*
Alnus glutinosa	Bark	--	--		*
Aloe vera	Leaf	--	--		*
Aloe vera	Plant	--	--		*
Amaranthus spinosus	Leaf	--	--		Wealth of India.
Anacardium occidentale	Seed	--	--		*
Ananas comosus	Fruit	--	40.0	-0.74	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Anastatica hierochuntica	Plant	--	--		*
Anethum graveolens	Seed	--	--		*
Anethum graveolens	Plant	--	490.0	-0.11	*
Anethum graveolens	Seed Essent. Oil	--	--		*
Anethum graveolens	Root	--	--		*
Angelica sinensis	Root	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Angelica archangelica	Plant	--	--		*
Angelica archangelica	Seed	1.5	9.5	-0.63	*
Angelica archangelica	Fruit	--	--		*
Anisomeles indica	Root	--	--		Wealth of India.
Annona cherimola	Seed	10000.0	14000.0	4.74	*
Annona muricata	Plant	--	--		*
Apium graveolens	Pt	--	30.0		Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Apium graveolens	Seed	--	210.0	-0.55	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Arachis hypogaea	Plant	--	--		*
Araucaria bidwillii	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.
Arctium lappa	Plant	--	--		Jim Duke's personal files.
Arctostaphylos uva-ursi	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Areca catechu	Seed	--	--		*

Armoracia rusticana	Root	--	710.0	-0.26	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Arnica montana	Flower	--	--		*
Artemisia vulgaris	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Artemisia annua	Plant	--	--		*
Artemisia dracunculus	Leaf	--	--		*
Artemisia herba-alba	Plant	--	--		*
Artemisia dracunculus	Shoot	--	--		*
Artemisia annua	Root	--	--		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.
Artemisia dracunculus	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
Artemisia annua	Shoot	--	--		*
Arundo donax	Plant	--	--		*
Asarum canadense	Rhizome	--	--		*
Asclepias syriaca	Sprout Seedling	--	--		*
Asparagus lucidus	Root	--	--		*
Aspidosperma quebracho-blanco	Bark	--	--		*
Astragalus membranaceus	Root	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Astrocaryum vulgare	Seed Oil	--	783100.0	1.0	Szpiz, R. R., Pereira, D. A., Lago, R. C. A. 1980. Comparison Between Oils From Three Brazilian Palms. Bol. Rec. Cent. Tecnol. Agric. Aliment (Rio de Janeiro) 14: 33-46. Cent Technol Agric Aliment Empresa Brasil Pesqui Aropecu Rio de Janeiro, Brazil.
Avena sativa	Seed	--	--		*
Avena sativa	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
Avena sativa	Leaf	--	--		*
Azadirachta indica	Leaf	--	--		*
Azadirachta indica	Flower	--	--		*
Bacopa monnieri	Plant	--	--		Wealth of India.
Balanites aegyptiacus	Bark	--	--		*
Beta vulgaris	Root	--	--		Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Beta vulgaris	Leaf	--	130.0	-1.01	*
Boswellia serrata	Bark	--	--		Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
Brassica oleracea var. italica	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
Brassica oleracea var. gemmifera	Leaf	170.0	1700.0	-0.16	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Brassica oleracea var. botrytis l.	Plant	--	--		*

Brassica rapa	Root	50.0	500.0	-0.26	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Brassica oleracea var. botrytis l.	Flower	120.0	1200.0	-0.77	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Brassica rapa	Leaf	90.0	900.0	-0.59	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Brassica juncea	Leaf	20.0	500.0	-0.81	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Brassica oleracea var. capitata l.	Leaf	70.0	700.0	-0.7	*
Caesalpinia pulcherrima	Flower	--	--		*
Cajanus cajan	Leaf	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Calendula officinalis	Flower	--	--		*
Calotropis sp.	Bark	--	--		*
Camellia sinensis	Seed	--	--		*
Camellia sinensis	Leaf	2130.0	2230.0	0.13	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Camellia sinensis	Seed Oil	--	--		*
Capparis spinosa	Plant	--	--		*
Capsella bursa-pastoris	Plant	--	--		*
Capsicum annuum	Plant	--	--		*
Capsicum frutescens	Fruit	60.0	70.0	-0.7	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Capsicum annuum	Fruit	60.0	1190.0	0.77	*
Carica papaya	Seed	--	--		Jim Duke's personal files.
Carica papaya	Seed Oil	--	--		Jim Duke's personal files.
Carica papaya	Fruit	--	--		Jim Duke's personal files.
Carica papaya	Leaf	--	--		Jim Duke's personal files.
Carica papaya	Flower	--	--		Jim Duke's personal files.
Carum carvi	Root	--	--		*
Carum carvi	Seed	--	420.0	-0.47	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Casimiroa edulis	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Catalpa longissima	Leaf	--	--		Tramil
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.
Caulophyllum thalictroides	Root	--	--		Jim Duke's personal files.
Ceiba pentandra	Bark	--	--		=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 calcitrapa	Plant	--	--		*
Centaurea cyanus	Flower	--	--		Jim Duke's personal files.
Centaurium erythraea	Plant	--	--		*

Centella asiatica	Plant	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Centella asiatica	Essential Oil	--	2000.0	1.0	Jim Duke's personal files.
Ceratonia siliqua	Seed	--	--		Wealth of India.
Chimaphila umbellata	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Chrysanthemum x morifolium	Flower	--	--		Wealth of India.
Cinchona spp	Bark	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Cinnamomum verum	Bark	--	210.0	-0.6	*
Citrullus colocynthis	Plant	--	--		*
Citrullus lanatus	Fruit	--	10.0	-0.78	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Citrus paradisi	Fruit	--	130.0	-0.62	*
Citrus reticulata	Root	--	--		*
Citrus sinensis	Fruit	--	170.0	-0.57	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Citrus limon	Fruit	--	80.0	-0.69	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Citrus reticulata	Pericarp	--	--		*
Citrus limon	Plant	--	--		*
Clematis vitalba	Plant	--	--		*
Cnicus benedictus	Seed	--	243.0	-0.54	Jim Duke's personal files.
Cnicus benedictus	Plant	--	--		*
Coccinia grandis	Leaf	--	--		*
Coccinia grandis	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Coccinia grandis	Fruit	--	--		*
Cocos nucifera	Fruit	--	270.0	-0.44	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Cocos nucifera	Seed Oil	--	--		Jim Duke's personal files.
Coffea arabica	Seed	520.0	530.0	-0.43	*
Coix lacryma-jobi	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Commelina benghalensis	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Commiphora myrrha	Resin, Exudate, Sap	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Commiphora wightii	Plant	--	--		Jim Duke's personal files.
Conyza canadensis	Plant	--	--		*
Coriandrum sativum	Fruit	--	220.0	-0.51	*
Coriandrum sativum	Seed	--	--		*
Corylus avellana	Seed	--	--		*
Corylus avellana	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Costus speciosus	Rhizome	--	--		*
Crataegus laevigata	Leaf	5100.0	6200.0	2.27	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

<i>Crataegus rhipidophylla</i>	Leaf	5100.0	6200.0	2.27	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Crataegus laevigata</i>	Flower	6500.0	7800.0	0.93	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Crataegus rhipidophylla</i>	Flower	6500.0	7800.0	0.93	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Croton lechleri</i>	Plant	--	--		*
<i>Cryptotaenia japonica</i>	Shoot	--	--		*
<i>Cucumis melo</i>	Fruit	--	160.0	-0.58	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Cucumis sativus</i>	Fruit	--	--		*
<i>Cucurbita pepo</i>	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Cucurbita pepo</i>	Fruit	--	120.0	-0.64	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Cuminum cyminum</i>	Seed	--	300.0	-0.52	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Curcuma longa</i>	Rhizome	--	--		*
<i>Curcuma longa</i>	Root	--	510.0	-0.26	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Cuscuta reflexa</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Cymbopogon parkeri</i>	Plant	--	--		Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
<i>Cymbopogon flexuosus</i>	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Cymbopogon citratus</i>	Plant	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Cynara cardunculus</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Cytisus scoparius</i>	Seed	--	--		*
<i>Daphne mezereum</i>	Plant	--	--		*
<i>Daphne genkwa</i>	Flower	--	--		*
<i>Daucus carota</i>	Root	--	--		*
<i>Dendrobium nobile</i>	Plant	--	--		*
<i>Dictamnus albus</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Dioscorea villosa</i>	Root	70.0	700.0	-0.26	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Dodonaea viscosa</i>	Seed	--	--		*
<i>Duchesnea indica</i>	Plant	--	--		*
<i>Echinacea angustifolia</i>	Root	--	--		*
<i>Echinacea spp</i>	Shoot	--	--		Economic & Medicinal Plant Research, 5: 253.
<i>Echinacea pallida</i>	Root	--	--		Jim Duke's personal files.
<i>Echinacea purpurea</i>	Root	--	--		Jim Duke's personal files.
<i>Elaeagnus pungens</i>	Leaf	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Elettaria cardamomum</i>	Seed	360.0	480.0	-0.45	*
<i>Eleutherococcus senticosus</i>	Root	--	--		*

Eleutherococcus senticosus	Root Bark	--	--		*
Equisetum arvense	Strobilus	--	--		Jim Duke's personal files.
Equisetum arvense	Plant	--	--		*
Eriobotrya japonica	Fruit	20.0	150.0	-0.6	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Eschscholzia californica	Plant	--	--		*
Eucalyptus citriodora	Leaf	--	--		*
Eucalyptus citriodora	Root	--	17.0	-0.28	*
Eucalyptus citriodora	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Eupatorium odoratum	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Euphorbia tirucalli	Stem	--	--		*
Euphorbia hirta	Stem	--	--		*
Euphorbia pulcherrima	Stem	--	--		*
Euphorbia hirta	Leaf	--	--		*
Euphorbia lathyris	Leaf	--	--		*
Euphrasia officinalis	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Fagopyrum esculentum	Seed	1640.0	1880.0	0.09	*
Ficus carica	Fruit	270.0	1350.0	0.98	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Ficus carica	Leaf	--	--		*
Foeniculum vulgare	Fruit	--	--		*
Foeniculum vulgare	Seed	310.0	340.0	-0.5	*
Fragaria spp	Fruit	100.0	1000.0	0.52	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Fritillaria thunbergii	Bulb	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Fucus vesiculosus	Plant	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Ganoderma lucidum	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Ganoderma lucidum	Fruit	--	--		*
Gardenia jasminoides	Fruit	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Gaultheria procumbens	Shoot	--	--		*
Gaultheria fragrantissima	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
Ginkgo biloba	Leaf	--	--		Jim Duke's personal files.
Ginkgo biloba	Seed	--	--		Jim Duke's personal files.
Ginkgo biloba	Pollen Or Spore	--	--		Jim Duke's personal files.
Glechoma hederacea	Plant	--	--		Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
Glycine max	Seed	300.0	900.0	-0.29	*

Glycyrrhiza glabra	Root	--	500.0	-0.26	*
Glycyrrhiza glabra	Plant	--	--		*
Glycyrrhiza uralensis	Root	--	--		*
Glycyrrhiza glabra	Shoot	--	--		*
Gossypium sp	Seed	--	--		*
Guarea rusbyi	Plant	--	--		*
Guazuma tomentosa	Leaf	--	--		*
Guazuma ulmifolia	Plant	--	--		*
Guazuma tomentosa	Bark	--	270.0	0.64	*
Guazuma tomentosa	Stem	--	--		*
Harpagophytum procumbens	Tuber	--	--		*
Helianthus annuus	Seed	3490.0	3510.0	0.72	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Helichrysum angustifolium	Stem	--	--		*
Helichrysum angustifolium	Flower	--	--		*
Heliotropium indicus	Plant	--	--		*
Hemidesmus indicus	Root	--	--		*
Hibiscus sabdariffa	Seed	--	--		*
Hibiscus syriacus	Bark	--	--		*
Hippophae rhamnoides	Seed	550.0	970.0	-0.26	Abstract (See species file)
Holarrhena pubescens	Tissue Culture	--	--		*
Holarrhena pubescens	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hordeum vulgare	Sprout Seedling	--	980.0	1.32	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Hordeum vulgare	Embryo	--	--		*
Hordeum vulgare	Plant	--	--		*
Houttuynia cordata	Shoot	--	--		*
Houttuynia cordata	Root	--	--		*
Humulus lupulus	Plant	--	--		*
Hylocereus undatus	Plant	--	--		*
Hypericum perforatum	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.
Hypericum perforatum	Shoot	--	--		*
Hyssopus officinalis	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

<i>Illicium verum</i>	Fruit	--	930.0	0.43	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Inula helenium</i>	Root	--	--		*
<i>Iris x germanica</i>	Rhizome	--	--		*
<i>Jatropha gossypifolia</i>	Plant	--	--		*
<i>Jatropha curcas</i>	Seed	--	--		*
<i>Juglans nigra</i>	Seed	870.0	880.0	-0.29	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Juglans regia</i>	Plant	--	--		*
<i>Juglans regia</i>	Seed	310.0	1765.0	0.05	*
<i>Juncus effusus</i>	Plant	--	--		*
<i>Juniperus communis</i>	Fruit	--	--		*
<i>Justicia gendarussa</i>	Leaf	--	--		*
<i>Justicia adhatoda</i>	Seed	--	--		*
<i>Kalanchoe pinnata</i>	Leaf	--	--		*
<i>Kalmia latifolia</i>	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Lactuca scariola</i>	Seed	--	--		*
<i>Lactuca virosa</i>	Seed	--	--		*
<i>Lantana camara</i>	Seed	--	--		*
<i>Laurus nobilis</i>	Leaf	--	1450.0	-0.29	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Lawsonia inermis</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>Lawsonia inermis</i>	Bark	--	--		*
<i>Lepidium sativum</i>	Seed	--	--		*
<i>Lepidium meyenii</i>	Root	--	--		*
<i>Leptospermum scoparium</i>	Shoot	--	--		*
<i>Levisticum officinale</i>	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ligustrum lucidum</i>	Fruit	--	--		*
<i>Linum usitatissimum</i>	Seed	--	19.0	-0.62	*
<i>Liquidambar styraciflua</i>	Resin, Exudate, Sap	--	--		*
<i>Liquidambar orientalis</i>	Resin, Exudate, Sap	--	--		*
<i>Lycium chinense</i>	Plant	--	--		*
<i>Lycium chinense</i>	Fruit	--	--		*
<i>Lycium chinense</i>	Flower	--	10200.0	1.54	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.
<i>Lycopersicon esculentum</i>	Fruit	--	--		*
<i>Lycopodium lucidulum</i>	Plant	--	91.0	-0.93	*
<i>Lythrum salicaria</i>	Plant	--	--		*

Maclura pomifera	Root	--	--		*
Maclura pomifera	Leaf	--	--		*
Maclura pomifera	Fruit	--	80.0	-0.69	*
Maclura pomifera	Tissue Culture	--	--		*
Magnolia kobus	Seed	--	--		*
Malus domestica	Heart Wood	--	--		*
Malus domestica	Seed	--	--		Fathy, M. M., Abd El Megid, R. M. 1995. A Comparative Study of the Lipid Contents and the Antimicrobial Activity of Certain Rosaceous Seeds. Zagazig J Pharm Sci, 4(2): 121-127.
Malus domestica	Fruit	110.0	660.0	0.07	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Marrubium vulgare	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Marrubium vulgare	Shoot	--	--		*
Matricaria recutita	Flower	--	--		*
Medicago sativa	Seed Oil	--	--		*
Medicago sativa	Fruit	--	5.0	-0.79	*
Medicago sativa	Seed	--	--		*
Medicago sativa	Plant	--	--		*
Melia azedarach	Root	--	--		*
Melilotus indica	Plant	--	--		*
Melissa officinalis	Tissue Culture	--	--		Gbolade, A.A. and Lockwood, G.B. 1991. The Constituents of Melissa officinalis L. Cultures. J. Ess. Oil Res., 3: 111-114.
Mentha spicata	Leaf	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Mentha spicata	Shoot	--	--		*
Mirabilis jalapa	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Mitchella repens	Plant	--	--		*
Momordica charantia	Fruit	--	--		*
Momordica charantia	Tissue Culture	--	--		Jim Duke's personal files.
Monarda citriodora	Plant	--	--		*
Monarda didyma	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Morinda citrifolia	Leaf	--	--		*
Morinda citrifolia	Tissue Culture	--	454.5	-0.7	*
Moringa oleifera	Seed	--	--		*
Moringa oleifera	Stem	--	--		=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
Morus alba	Leaf	--	2000.0	0.0	*
Mucuna pruriens	Seed	--	--		*
Musa x paradisiaca	Leaf	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Musa x paradisiaca	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Myristica fragrans	Seed	--	460.0	-0.45	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Myristica fragrans	Aril	--	560.0		Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Nardostachys jatamansi	Root	--	--		*
Nepeta cataria	Shoot	--	900.0	1.36	*
Nepeta cataria	Plant	--	--		*
Nerium oleander	Plant	--	--		*
Nicotiana tabacum	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Nigella sativa	Seed	--	3218.0	0.6	*
Nigella sativa	Seed Oil	--	--		*
Ocimum basilicum	Sprout Seedling	--	230.0	-1.1	*
Ocimum basilicum	Flower	--	1051.0	-0.81	*
Ocimum tenuiflorum	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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 basilicum	Root	--	408.0	-0.27	*
Ocimum basilicum	Seed	--	527.0	-0.43	*
Ocimum suave	Leaf	--	--		J. Nat. Prod. 44: 308.
Ocimum gratissimum	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ocimum basilicum	Stem	--	845.0	0.24	*
Ocimum basilicum	Leaf	790.0	1705.0	-0.16	*
Ocimum sanctum	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Oenothera biennis	Inflorescence	--	--		*
Oenothera biennis	Fruit	--	--		*
Oenothera biennis	Seed	1186.0	2528.0	0.34	*
Ophiopogon japonicus	Tuber	--	--		*
Opuntia ficus-indica	Seed Oil	--	680000.0	-1.0	*
Opuntia ficus-indica	Flower	--	400.0	-0.98	*
Opuntia ficus-indica	Stem	--	--		*
Origanum majorana	Plant	520.0	540.0	-0.0	*
Origanum vulgare	Plant	--	1770.0	2.52	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Oryza sativa	Juice	--	--		*
Oryza sativa	Sprout Seedling	--	--		*
Pachira aquatica	Seed	--	--		*
Paeonia suffruticosa	Root Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)

<i>Paeonia moutan</i>	Root Bark	--	--		*
<i>Paeonia lactiflora</i>	Flower	--	--		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>	Root	--	--		*
<i>Panax quinquefolius</i>	Root	--	--		*
<i>Panax notoginseng</i>	Root	--	--		*
<i>Panax ginseng</i>	Rhizome	--	--		*
<i>Panax japonicus</i>	Rhizome	--	--		*
<i>Panax ginseng</i>	Fruit	--	--		*
<i>Papaver somniferum</i>	Seed	520.0	550.0	-0.42	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Papaver somniferum</i>	Fruit	--	--		*
<i>Perilla frutescens</i>	Shoot	--	--		Manandhar, M. D. 1981. Constituents of <i>Perilla ocimoides</i> Linn. J. Nep. Chem. Soc., 1(1): 18-20.
<i>Perilla frutescens</i>	Plant	--	--		Han, J. S. 1978. A Study on Sterol in <i>Perilla frutescens</i> . Yongnam Taehakkyo Nonmumjip Chayon Kwahak Pyon, 11: 211-215.
<i>Perilla frutescens</i>	Seed	--	--		Endo, S., Ishizaki, T., Kimata, M. 1993. Fatty Acid and Sterol Compositions in the Seeds of <i>Perilla frutescens</i> and <i>Linum Usitatissimum</i> . Takyo Gakugei Daigaku Kiyo Dai-4-Bumon, 45: 27-32.
<i>Persea americana</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Petasites hybridus</i>	Root	--	--		*
<i>Petasites japonicus</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Petiveria alliacea</i>	Plant	--	--		Germosen-Robineau, L. (Ed.) 1997. Farmacopea Vegetal Caribena. Endacaribe, Tramil. Ediciones Emile Desormeaux, Martinique F.W.I. 360 pp.
<i>Petroselinum crispum</i>	Leaf	20.0	180.0	-0.98	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Pfaffia paniculata</i>	Plant	--	--		Abstract (See species file)
<i>Pfaffia paniculata</i>	Root	--	7.8	-0.28	*
<i>Phaseolus vulgaris</i>	Seed	910.0	980.0	-0.25	*
<i>Phellodendron amurense</i>	Bark	--	--		*
<i>Phoenix dactylifera</i>	Pollen Or Spore	--	--		Abstract (See species file)
<i>Phyllanthus emblica</i>	Tissue Culture	--	5500.0	1.41	*
<i>Phyllanthus emblica</i>	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Phyllanthus emblica</i>	Seed Oil	--	--		*
<i>Phyllanthus emblica</i>	Shoot	--	--		*
<i>Physalis peruviana</i>	Root	--	--		*
<i>Physostigma venenosum</i>	Seed	--	--		*
<i>Picrasma excelsa</i>	Bark	--	--		*
<i>Pimenta dioica</i>	Fruit	570.0	590.0	-0.02	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)

Pimpinella anisum	Tissue Culture	--	--		*
Pinellia ternata	Tuber	--	--		*
Pinus sylvestris	Shoot	--	--		*
Pinus sylvestris	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pinus sylvestris	Plant	--	--		*
Pinus sylvestris	Pollen Or Spore	--	--		*
Piper nigrum	Leaf	--	--		*
Piper nigrum	Fruit	380.0	650.0	0.06	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Piper methysticum	Rhizome	--	--		*
Piper nigrum	Stem	--	160.0	-1.33	*
Piper auritum	Leaf	--	--		Tramil
Piper methysticum	Leaf	--	--		*
Piper methysticum	Root	--	166000.0	3.74	*
Piscidia piscipula	Plant	--	--		*
Pistacia vera	Seed	--	--		*
Pisum sativum	Seed	--	--		*
Plantago psyllium	Seed	--	--		*
Plantago asiatica	Plant	--	--		*
Plantago ovata	Seed	--	--		*
Plumeria acutifolia	Bark	--	--		*
Polygonum multiflorum	Shoot	--	--		*
Polygonum multiflorum	Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Polygonum multiflorum	Rhizome	--	--		*
Polypodium vulgare	Rhizome	--	--		*
Portulaca oleracea	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Prosopis glandulosa	Stem	--	--		Zirvi, K. A., Jewers, K., Nagler, M. J. 1977. Phytochemical Investigation of Prosopis glandulosa Stems. Planta Med. Suppl. 32: 244-246.
Prosopis glandulosa	Flower	--	--		Ahmed, N., Razaq, S. 1986. Chemical Investigation of Prosopis glandulosa Flowers. Fitoterapia 57 6: 457.
Prunella vulgaris	Plant	--	--		*
Prunella vulgaris	Shoot	--	600.0	0.56	*
Prunella vulgaris	Leaf	--	--		*
Prunus africana	Bark	--	177.0	-1.29	*
Prunus armeniaca	Fruit	160.0	1300.0	0.91	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Prunus spinosa	Fruit	--	--		*
Prunus cerasus	Plant	--	--		*
Prunus domestica	Fruit	60.0	600.0	-0.01	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Prunus persica	Leaf	--	--		*

Prunus armeniaca	Seed	--	--		*
Prunus dulcis	Seed	1220.0	1230.0	-0.16	*
Psidium guajava	Heart Wood	--	--		*
Psidium guajava	Leaf Essent. Oil	--	--		*
Psidium guajava	Root	--	--		*
Psidium guajava	Fruit	--	--		*
Psidium guajava	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Psoralea corylifolia	Root	--	--		*
Pterocarpus santalinus	Plant	--	--		*
Ptychopetalum olacoides	Root	--	--		Ito, Y., Hirayama, F., Aikawa, Y., Kondo, H., Sagara, K., Shoji, J. 1995. Constituents from Muira-Puama (The Roots of Ptychopetalum olacoides). Nat. Med. 49, 4: 487.
Ptychopetalum olacoides	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pueraria montana	Stem	--	--		*
Pueraria montana	Root	--	--		*
Pueraria montana	Flower	--	--		*
Punica granatum	Seed	--	--		*
Punica granatum	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.
Punica granatum	Stem Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Punica granatum	Fruit	16.0	800.0	0.26	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Punica granatum	Flower	--	--		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.
Punica granatum	Bark	--	--		*
Quassia amara	Wood	--	--		*
Quercus alba	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Quercus robur	Bark	--	--		*
Rehmannia glutinosa	Root	--	--		*
Rhododendron ponticum	Plant	--	--		*
Ricinus communis	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Ricinus communis	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Robinia pseudoacacia	Flower	--	--		*
Rosa multiflora	Plant	--	--		*
Rosa gallica	Flower	--	--		*
Rosa damascena	Plant	--	--		*
Rosmarinus officinalis	Plant	520.0	550.0	0.02	*
Rubia cordifolia	Plant	--	--		*
Rubus idaeus	Seed Oil	--	--		*
Ruellia tuberosa	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.

Rumex crispus	Root	--	--		*
Ruscus aculeatus	Root	--	--		*
Salvia officinalis	Root	--	--		*
Salvia triloba	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Salvia officinalis	Leaf	5.0	2449.0	0.24	*
Salvia officinalis	Fruit Essent. Oil	--	--		*
Salvia sclarea	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Salvia officinalis	Sprout Seedling	--	--		*
Salvia officinalis	Stem	--	1214.0	1.09	*
Sambucus nigra	Leaf	--	--		*
Sambucus nigra	Flower	--	--		*
Sambucus nigra	Bark	--	--		*
Sambucus canadensis	Leaf	--	--		*
Sambucus canadensis	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Sanguisorba minor	Plant	--	--		*
Sansevieria trifasciata	Leaf	--	--		*
Santalum album	Fruit	--	--		*
Sarcostemma acidum	Plant	--	--		*
Sarracenia purpurea	Shoot	--	--		*
Sarracenia flava	Root	--	50.0	-0.27	*
Sarracenia purpurea	Root	--	--		*
Sassafras albidum	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Satureja montana	Plant	--	280.0	-0.54	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Satureja hortensis	Plant	--	280.0	-0.54	*
Saussurea lappa	Root	--	--		*
Schinus terebinthifolius	Leaf	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Schinus molle	Leaf	--	--		*
Schisandra chinensis	Fruit	--	--		*
Scutellaria baicalensis	Root	--	--		*
Senna obtusifolia	Seed	1000.0	2000.0	0.14	*
Senna alata	Root	--	--		*
Serenoa repens	Fruit	33.0	281.0	-0.43	*
Sesamum indicum	Seed Oil	--	--		*
Sesamum indicum	Seed	4000.0	4430.0	1.07	*
Siegesbeckia orientalis	Plant	--	--		*
Silybum marianum	Seed	--	100.0	-0.59	*
Sinapis alba	Seed	--	--		*

Sinomenium acutum	Rhizome	--	--		*
Skimmia arborescens	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Smilax spp	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Smilax regelii	Root	--	--		Simpson, J. C. E., Williams, N. E. 1937. The Ether-Soluble Constituents of Sarsaparilla Root. Part I. J. Chem. Soc., 1937: 733-738.
Solanum dulcamara	Leaf	--	--		*
Solanum tuberosum	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Solanum nigrum	Plant	--	--		*
Solanum tuberosum	Tuber	30.0	140.0		Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Sophora japonica	Plant	--	--		*
Sophora pachycarpa	Plant	--	--		*
Sorbus aucubaria	Flower	--	--		*
Stellaria media	Shoot	--	--		*
Stevia rebaudiana	Leaf	--	--		*
Syzygium aromaticum	Plant	--	--		*
Syzygium aromaticum	Essential Oil	--	1000.0	-1.0	*
Syzygium aromaticum	Fruit	--	2420.0	2.39	*
Tabebuia heptaphylla	Bark	--	--		*
Tagetes erecta	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.
Tamarindus indica	Fruit	--	3350.0	3.61	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Tanacetum parthenium	Leaf Essent. Oil	--	16000.0		*
Tanacetum parthenium	Fruit Essent. Oil	--	--		*
Taraxacum officinale	Plant	--	--		*
Taraxacum officinale	Flower	--	--		*
Taraxacum officinale	Root	--	214.0	-0.27	*
Taxus baccata	Leaf	--	--		*
Tecoma stans	Fruit	--	--		*
Tephrosia purpurea	Plant	--	--		*
Terminalia pallida	Seed Oil	--	--		Gunasekar, D., Sreeramulu, K., Rao, K. V. 1992. Fatty Acid Composition of the Seed Oil of Terminalia pallida. Asian J. Chem. 4 2: 400-401.
Terminalia arjuna	Root Bark	--	50.0		Anjaneyulu, A. S. R., Rama Prasad, A. V. 1982. Chemical Examination of Roots of Terminalia arjuna (Roxb.) Wight & Arnot: Part I-Characterization of Two New Triterpenoid Glycosides. Indian J. Chem. 21B 6: 530-533.
Terminalia arjuna	Heart Wood	--	1000.0		Row, L. R., Subba, Rao, G. S. R. 1962. Chemistry of Terminalia Species. Part IV. Chemical Examination of T. arjuna: Isolation of Arjunolic Acid Saponin and (+) Leucodelphinidin. J. Indian Chem. Soc. 39: 89.
Terminalia catappa	Bark	--	--		Diyabalanaga, T. K. K., Jayasinghe, U. L. B., Simmonds, P. M., Wannigama, G. P., Wickramasinghe, A. 1997. Chemical Investigation of Terminalia catappa. Acgc. Chem. Res. Commun. 6: 26-28.

Terminalia chebula	Bark	--	--		Beri, R. M. 1970. Phytosterol in Some Plant Materials. Indian Oil Soap J. 35: 274-275.
Terminalia arjuna	Root	--	20.0	-0.28	Anjaneyulu, A. S. R., Prasad, A. V. R. 1983. Chemical Examination of the Roots of Terminalia arjuna. Part 3. Structure of Terminic Acid, a Dihydroxytriterpene Carboxylic Acid from Terminalia arjuna. Phytochemistry 22 4: 993-998.
Terminalia arjuna	Fruit	--	--		Singh, B., Pandey, V. B. 1995. Constituents of Terminalia arjuna Fruits. Orient. J. Chem. 11 2: 185-186.
Terminalia pallida	Fruit	--	--		*
Terminalia chebula	Fruit	--	--		Lu, P. P., Liu, X. J., Li, X. G., Wen, J. Q. 1991. Chemical Constituents of Fruits of Terminalia chebula Retz. Shanghai Yike Daxue Xuebao 18 (3): 233-235.
Terminalia arjuna	Leaf	--	--		Chauhan, S. M. S., Parkash, S., Kaushik, R. 1997. Isolation of 3-beta-hydroxyolean-12-ene and Related Triterpenoids from the Leaves of Terminalia arjuna. Indian J. Chem. 36B 3: 297-298.
Terminalia bellirica	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Terminalia arjuna	Bark	--	300.0	1.26	*
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.
Teucrium chamaedrys	Plant	--	--		Abstract (See species file)
Theobroma cacao	Sprout Seedling	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Thespesia populnea	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Thevetia peruviana	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Thuja occidentalis	Branches	--	--		*
Thymus vulgaris	Leaf	1520.0	1600.0	-0.21	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Tilia sp.	Wood	--	--		*
Tribulus terrestris	Flower	--	--		*
Trichosanthes kirilowii	Root	--	--		*
Tridax procumbens	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Trifolium pratense	Flower	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Trigonella foenum-graecum	Leaf	--	--		*
Trigonella foenum-graecum	Plant	--	--		*
Trigonella foenum-graecum	Seed	800.0	1000.0	-0.25	*
Trigonella foenum-graecum	Tissue Culture	8.7	400.0	-0.72	*
Turnera diffusa	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.
Turnera diffusa	Shoot	--	33.0	-0.95	*
Ulex europaeus	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

<i>Ulmus rubra</i>	Wood	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Uncaria tomentosa</i>	Bark	--	--		*
<i>Urginea maritima</i>	Bulb	--	--		*
<i>Urtica dioica</i>	Shoot	--	--		*
<i>Urtica dioica</i>	Root	290.0	640.0	-0.26	*
<i>Urtica dioica</i>	Flower	--	1000.0	-0.83	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.
<i>Vaccinium corymbosum</i>	Plant	--	--		*
<i>Vaccinium myrtillus</i>	Tissue Culture	--	--		*
<i>Vaccinium myrtillus</i>	Fruit	--	--		*
<i>Valeriana officinalis</i>	Plant	--	--		Lokar, L. C., Martini, F. 1997. Chemotaxonomic Investigations on the Genus <i>Valeriana</i> L. in the Northeastern Italy and in Tuscany. I. Phytosterols. Dept. of Biology, University of Trieste. Allionia 35: 103-115.
<i>Valeriana officinalis</i>	Rhizome	--	--		*
<i>Valeriana jatamansi</i>	Root	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Valeriana officinalis</i>	Root	--	--		*
<i>Veratrum album</i>	Rhizome	--	--		*
<i>Verbascum thapsus</i>	Seed	--	--		*
<i>Verbascum thapsus</i>	Stem	--	--		*
<i>Verbascum thapsus</i>	Flower	--	--		*
<i>Verbascum thapsus</i>	Leaf	--	--		*
<i>Verbascum thapsus</i>	Root	--	--		*
<i>Verbascum thapsus</i>	Seed Oil	--	--		*
<i>Vernonia cinerea</i>	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Viburnum prunifolium</i>	Root Bark	--	--		*
<i>Viburnum opulus</i>	Root Bark	--	--		*
<i>Viburnum opulus</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Vicia faba</i>	Seed	950.0	4500.0	1.1	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Vigna radiata</i>	Seed	130.0	150.0	-0.57	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Vigna radiata</i>	Sprout Seedling	50.0	500.0	-0.23	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
<i>Vinca minor</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Viola odorata</i>	Plant	--	330.0	-0.43	*
<i>Vitis vinifera</i>	Seed	--	--		*
<i>Vitis vinifera</i>	Fruit	30.0	150.0	-0.6	*
<i>Withania somnifera</i>	Tissue Culture	--	--		*

Withania somnifera	Root	4.0	200.0	-0.27	*
Withania somnifera	Leaf	--	--		*
Zanthoxylum americanum	Root Bark	--	--		*
Zea mays	Shoot	--	--		*
Zea mays	Seed Oil	--	--		*
Zea mays	Seed	--	1200.0	-0.17	*
Zea mays	Silk Stigma Style	--	1300.0		*
Zingiber officinale	Root	100.0	500.0	-0.26	*
Zingiber officinale	Plant	--	--		*
Zizyphus spina- christi	Plant	--	--		*