

List of Plants

C MYRISTIC-ACID

Chemid
MYRISTICACID

Dosage

LD50=43 (ivn mus)

*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	Seed	360.0	1540.0	-0.28	*
Abelmoschus moschatus	Seed	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Abelmoschus moschatus	Plant	--	--		*
Achillea millefolium	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Aesculus hippocastanum	Leaf	--	--		Jim Duke's personal files.
Allium cepa	Bulb	10.0	100.0	-1.0	USDA's Ag Handbook 8 and sequelae)
Allium cepa	Seed Oil	--	--		Reddy, P. N., Azeemoddin, G., Rao, S. D. T. 1989. Processing and Analysis of Onionseed (Allium cepa) and its Fixed Oil. J. Amer. Oil Chem. Soc., 66(3): 365.
Allium sativum var. sativum	Bulb	--	614.0	1.0	*
Allium schoenoprasum	Leaf	30.0	3635.0	1.81	USDA's Ag Handbook 8 and sequelae)
Aloe vera	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
Ammi visnaga	Plant	--	--		*
Anacardium occidentale	Seed	3470.0	3530.0	-0.25	*
Ananas comosus	Leaf	--	--		Wealth of India.
Anethum graveolens	Fruit	100.0	108.0	-0.26	*
Anethum graveolens	Seed	100.0	108.0	-0.29	USDA's Ag Handbook 8 and sequelae)
Angelica sinensis	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Angelica archangelica	Fruit	--	--		*
Annona reticulata	Plant	--	--		*
Annona muricata	Plant	--	--		*
Apium graveolens	Pt	10.0	190.0		USDA's Ag Handbook 8 and sequelae)
Apium graveolens	Seed	125.0	213.0	-0.29	*
Aquilegia vulgaris	Seed	--	--		*

Arachis hypogaea	Seed	250.0	300.0	-0.29	*
Arctium lappa	Plant	--	--		*
Areca catechu	Seed	9240.0	30240.0	0.1	*
Argemone mexicana	Seed	--	--		*
Artemisia capillaris	Essential Oil	--	--		*
Asimina triloba	Fruit	306.0	4956.0	-0.04	*
Asparagus officinalis	Shoot	10.0	129.0	1.41	*
Astrocaryum vulgare	Seed Oil	--	--		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.
Azadirachta indica	Fruit	--	630.0	-0.24	*
Bactris gasipaes	Seed	--	89000.0	0.87	*
Bertholletia excelsa	Seed	6200.0	12600.0	-0.13	*
Bidens pilosa	Plant	--	--		Jim Duke's personal files.
Bixa orellana	Seed	85.0	540.0	-0.29	Duke, J. A. and duCellier, J. L. 1993. CRC Handbook of Alternative Cash Crops. CRC Press. Boca Raton, FL 33431. 536 pp. US \$312.50.
Brassica oleracea var. viridis l.	Plant	--	--		*
Brassica oleracea	Stem	--	--		*
Brassica oleracea var. sabellica l.	Leaf	30.0	190.0	-0.61	*
Calendula officinalis	Seed	10300.0	16100.0	-0.09	*
Camellia sinensis	Seed Oil	--	--		*
Camellia sinensis	Leaf	--	--		*
Camellia sinensis	Seed	--	--		*
Capparis spinosa	Plant	--	--		*
Capsicum annuum	Fruit	10.0	136.0	-0.26	*
Capsicum frutescens	Seed	--	--		*
Capsicum frutescens	Fruit	10.0	82.0	-0.27	USDA's Ag Handbook 8 and sequelae)
Carica papaya	Flower	--	--		Jim Duke's personal files.
Carica papaya	Fruit	70.0	627.0	-0.24	*
Carica papaya	Leaf	--	--		Jim Duke's personal files.
Carica papaya	Seed	--	--		*
Carica papaya	Seed Oil	--	4000.0	-0.56	Jim Duke's personal files.
Carthamus tinctorius	Seed	3000.0	9390.0	-0.17	*
Carum carvi	Fruit	400.0	444.0	-0.25	*
Carum carvi	Seed	400.0	444.0	-0.29	USDA's Ag Handbook 8 and sequelae)
Carya illinoensis	Leaf	--	--		*
Ceiba pentandra	Seed	--	--		Abstract (See species file)

<i>Centaurea calcitrapa</i>	Plant	--	--		*
<i>Cicer arietinum</i>	Seed	90.0	100.0	-0.29	USDA's Ag Handbook 8 and sequelae)
<i>Cichorium endivia</i>	Leaf	30.0	483.0	-0.41	*
<i>Cichorium intybus</i>	Root	30.0	150.0	-0.54	USDA's Ag Handbook 8 and sequelae)
<i>Cichorium intybus</i>	Leaf	10.0	204.0	-0.6	USDA's Ag Handbook 8 and sequelae)
<i>Cinnamomum verum</i>	Seed	21900.0	25550.0	0.04	Wealth of India.
<i>Cinnamomum camphora</i>	Plant	--	--		*
<i>Citrullus lanatus</i>	Seed	400.0	800.0	-0.29	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Citrullus colocynthis</i>	Seed	--	--		*
<i>Citrus reticulata</i>	Seed Oil	--	--		*
<i>Citrus reticulata</i>	Fruit	10.0	80.0	-0.27	USDA's Ag Handbook 8 and sequelae)
<i>Citrus aurantiifolia</i>	Fruit	10.0	85.0	-0.27	USDA's Ag Handbook 8 and sequelae)
<i>Cocos nucifera</i>	Seed	7650.0	133015.0	1.45	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Cocos nucifera</i>	Seed Oil	--	--		Jim Duke's personal files.
<i>Coffea arabica</i>	Seed	--	--		*
<i>Coix lacryma-jobi</i>	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Coriandrum sativum</i>	Fruit	200.0	219.0	-0.26	USDA's Ag Handbook 8 and sequelae)
<i>Corylus avellana</i>	Seed	11000.0	14300.0	-0.11	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Croton tiglium</i>	Seed	22500.0	37500.0	0.19	*
<i>Cucumis sativus</i>	Fruit	10.0	253.0	-0.26	*
<i>Cucumis melo</i>	Fruit	1500.0	8920.0	0.15	*
<i>Cucurbita pepo</i>	Seed	200.0	559.0	-0.29	*
<i>Cucurbita pepo</i>	Fruit	60.0	714.0	-0.24	USDA's Ag Handbook 8 and sequelae)
<i>Cucurbita spp</i>	Fruit	10.0	160.0	-0.26	*
<i>Cucurbita pepo</i>	Flower	50.0	1030.0	1.0	USDA's Ag Handbook 8 and sequelae)
<i>Cucurbita foetidissima</i>	Seed	486.0	680.0	-0.29	*
<i>Cyamopsis tetragonoloba</i>	Seed Oil	--	--		Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil (<i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Agr Food Chem</i> , 32(5): 1073-1075.
<i>Cydonia oblonga</i>	Seed	--	--		*
<i>Cynara cardunculus</i>	Flower	20.0	135.0	-1.0	USDA's Ag Handbook 8 and sequelae)
<i>Cyperus rotundus</i>	Rhizome	--	--		*
<i>Daucus carota</i>	Root	10.0	80.0	-0.64	*
<i>Daucus carota</i>	Seed	10470.0	36300.0	0.18	*
<i>Echinacea angustifolia</i>	Root	--	--		*
<i>Elaeis guineensis</i>	Fruit	2300.0	48320.0	2.01	*
<i>Elettaria cardamomum</i>	Seed Oil	--	--		*

<i>Elettaria cardamomum</i>	Fruit	300.0	325.0	-0.25	Revised USDA data received 1993.
<i>Erythrina crista-galli</i>	Seed	--	3175.0	-0.25	*
<i>Eucalyptus globulus</i>	Fruit	--	--		*
<i>Fagopyrum esculentum</i>	Seed	--	115.0	-0.29	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
<i>Fagopyrum esculentum</i>	Pollen Or Spore	--	--		*
<i>Ferula assafoetida</i>	Seed Essent. Oil	--	212300.0	1.0	*
<i>Ficus carica</i>	Fruit	20.0	96.0	-0.26	USDA's Ag Handbook 8 and sequelae)
<i>Frangula purshiana</i>	Plant	--	--		*
<i>Fucus vesiculosus</i>	Plant	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Ginkgo biloba</i>	Seed	60.0	133.0	-0.29	USDA's Ag Handbook 8 and sequelae)
<i>Ginkgo biloba</i>	Pollen Or Spore	--	--		Jim Duke's personal files.
<i>Glycine max</i>	Seed	550.0	600.0	-0.29	USDA's Ag Handbook 8 and sequelae)
<i>Gossypium sp</i>	Seed	2240.0	6830.0	-0.21	*
<i>Helianthus annuus</i>	Seed	500.0	900.0	-0.28	*
<i>Hibiscus sabdariffa</i>	Seed	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Hyoscyamus niger</i>	Seed	750.0	1167.0	-0.28	*
<i>Hypericum perforatum</i>	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Iris x germanica</i>	Rhizome	850.0	17000.0	1.0	*
<i>Jatropha curcas</i>	Seed	5400.0	8640.0	-0.18	*
<i>Juglans regia</i>	Seed	1890.0	1960.0	-0.27	USDA's Ag Handbook 8 and sequelae)
<i>Lablab purpureus</i>	Plant	30.0	247.0	-1.47	*
<i>Lawsonia inermis</i>	Seed Oil	--	--		*
<i>Lens culinaris</i>	Seed	30.0	34.0	-0.3	USDA's Ag Handbook 8 and sequelae)
<i>Leonotis nepetaefolia</i>	Seed	3640.0	4940.0	-0.23	*
<i>Levisticum officinale</i>	Root	--	--		*
<i>Linum usitatissimum</i>	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Lonicera japonica</i>	Flower	--	--		*
<i>Lupinus albus</i>	Seed	130.0	145.0	-0.29	*
<i>Lycopersicon esculentum</i>	Fruit	--	--		*
<i>Lycopodium clavatum</i>	Pollen Or Spore	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Macadamia spp</i>	Seed	4680.0	6200.0	-0.21	*
<i>Maclura pomifera</i>	Fruit	--	--		*
<i>Malus domestica</i>	Fruit	20.0	124.0	-0.26	*
<i>Mangifera indica</i>	Fruit	90.0	492.0	-0.25	*
<i>Medicago sativa</i>	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Mentha x piperita	Leaf	60.0	280.0	-0.55	USDA's Ag Handbook 8 and sequelae)
Mentha pulegium	Essential Oil	--	--		*
Mentha spicata	Leaf	40.0	275.0	-0.55	USDA's Ag Handbook 8 and sequelae)
Momordica charantia	Fruit	--	--		Jim Duke's personal files.
Momordica charantia	Seed Oil	--	--		Jim Duke's personal files.
Morinda citrifolia	Fruit	--	0.06	-0.27	*
Moringa oleifera	Shoot	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Moringa oleifera	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Morus alba	Seed	--	--		*
Mucuna pruriens	Seed	15.0	125.0	-0.29	*
Murraya sp	Plant	--	--		*
Musa x paradisiaca	Fruit	30.0	117.0	-0.26	USDA's Ag Handbook 8 and sequelae)
Musa x paradisiaca	Plant	--	--		*
Myrica cerifera	Fruit	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myristica fragrans	Seed Essent. Oil	--	3000.0	-1.0	*
Myristica fragrans	Seed	60.0	320000.0	3.89	*
Myristica fragrans	Essential Oil	--	--		*
Myrtus communis	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Nardostachys jatamansi	Plant	--	--		*
Nardostachys chinensis	Root	--	--		*
Nelumbo nucifera	Seed	10.0	30.0	-0.3	*
Nelumbo nucifera	Rhizome	--	--		*
Nepeta cataria	Seed Oil	--	--		*
Nigella sativa	Seed	567.0	1082.0	-0.28	*
Nigella sativa	Seed Oil	1900.0	18000.0	1.4	*
Oenothera biennis	Seed	--	--		*
Olea europaea	Fruit	300.0	800.0	-0.23	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Opuntia ficus-indica	Flower	--	--		*
Origanum vulgare	Plant	1700.0	1831.0	1.08	USDA's Ag Handbook 8 and sequelae)
Panax quinquefolius	Root	--	--		*
Panax ginseng	Root	--	--		*
Papaver somniferum	Seed Oil	--	--		*
Passiflora incarnata	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.

Pastinaca sativa	Root	30.0	145.0	-0.55	*
Petasites hybridus	Root	--	--		*
Petroselinum crispum	Seed	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Phaseolus lunatus	Seed	20.0	67.0	-0.3	*
Phoenix dactylifera	Seed	2400.0	4000.0	-0.24	*
Phyllanthus emblica	Seed Oil	--	--		*
Phyllanthus emblica	Fruit	--	1520.0	-0.2	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pimpinella anisum	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Piper nigrum	Fruit	700.0	782.0	-0.23	USDA's Ag Handbook 8 and sequelae)
Pistacia vera	Seed	282.0	468.0	-0.29	*
Pisum sativum	Fruit	20.0	198.0	-0.26	*
Plantago ovata	Seed	--	1300.0	-0.28	*
Plantago ovata	Seed Coat	--	--		*
Portulaca oleracea	Herb	7.0	140.0		*
Prunella vulgaris	Leaf	--	--		*
Prunus dulcis	Seed	2980.0	3117.0	-0.26	USDA's Ag Handbook 8 and sequelae)
Prunus cerasus	Fruit	20.0	144.0	-0.26	*
Prunus domestica	Seed	14820.0	15960.0	-0.09	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Prunus laurocerasus	Seed	450.0	540.0	-0.29	*
Prunus cerasus	Seed	600.0	800.0	-0.29	*
Psidium guajava	Fruit	120.0	864.0	-0.23	USDA's Ag Handbook 8 and sequelae)
Psidium cattleianum	Fruit	120.0	620.0	-0.24	*
Psophocarpus tetragonolobus	Seed	10.0	305.0	-0.29	*
Psophocarpus tetragonolobus	Leaf	10.0	43.0	-0.72	*
Quisqualis indica	Seed	10350.0	12150.0	-0.14	*
Raphanus sativus	Root	--	--		*
Rhus toxicodendron	Fruit	--	--		*
Rosmarinus officinalis	Leaf	1210.0	3755.0	1.9	USDA's Ag Handbook 8 and sequelae)
Salvia sp.	Seed	230.0	360.0	-0.29	*
Sambucus nigra	Flower	--	--		*
Sambucus nigra	Seed	--	--		*
Secale cereale	Seed	30.0	35.0	-0.3	USDA's Ag Handbook 8 and sequelae)
Serenoa repens	Fruit	4800.0	116000.0	5.2	*
Serenoa repens	Seed	--	--		*
Sesamum indicum	Seed Oil	--	--		*

Sesamum indicum	Seed	328.0	1728.0	-0.27	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Silybum marianum	Seed	--	--		*
Solanum tuberosum	Tuber	10.0	48.0		*
Spartium junceum	Seed	--	--		*
Spinacia oleracea	Plant	1.0	950.0	-0.34	*
Sterculia urens	Seed	9300.0	12090.0	-0.14	*
Strychnos nux-vomica	Seed	360.0	450.0	-0.29	*
Tamarindus indica	Fruit	70.0	102.0	-0.26	USDA's Ag Handbook 8 and sequelae)
Tamarindus indica	Seed Oil	--	--		*
Taraxacum officinale	Pollen Or Spore	--	--		*
Terminalia pallida	Seed Oil	--	2000.0	-0.84	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 catappa	Seed	700.0	5960.0	-0.22	*
Tetragonia tetragonioides	Leaf	40.0	665.0	-0.28	*
Thespesia populnea	Seed	--	2000.0	-0.27	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Thymus vulgaris	Plant	1500.0	1620.0	0.74	USDA's Ag Handbook 8 and sequelae)
Trifolium pratense	Pollen Or Spore	--	--		*
Triticum aestivum	Seed	--	--		*
Tussilago farfara	Leaf	--	--		*
Vanilla planifolia	Fruit	--	12.0	-0.27	*
Vernonia cinerea	Seed	3040.0	30400.0	0.1	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Viburnum prunifolium	Bark	--	--		*
Vicia faba	Seed	--	--	-0.3	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	10.0	11.0	-0.3	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Fruit	10.0	82.0	-0.27	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	20.0	60.0	-0.3	USDA's Ag Handbook 8 and sequelae)
Vigna radiata	Sprout Seedling	--	--		USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Shoot	10.0	98.0	-0.71	*
Vigna unguiculata	Shoot	10.0	98.0	-0.71	USDA's Ag Handbook 8 and sequelae)
Virola surinamensis	Seed	418200.0	496000.0	6.2	*
Viscum album	Plant	--	--		*
Vitellaria paradoxa	Seed Oil	--	--		Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
Vitis vinifera	Fruit	50.0	257.0	-0.26	USDA's Ag Handbook 8 and sequelae)

Zanthoxylum clava-herculis	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Zea mays	Seed	--	--		*
Zingiber officinale	Root	180.0	1650.0	1.73	USDA's Ag Handbook 8 and sequelae)
Zingiber officinale	Rhizome	180.0	1650.0	-1.0	*