

# 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 moschatus	Plant	--	--		*
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 esculentus	Seed	360.0	1540.0	-0.28	*
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	Seed Oil	--	--		Reddy, P. N., Azeemoddin, G., Rao, S. D. T. 1989. Processing and Analysis of Onionseed ( <i>Allium cepa</i> ) 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)
Allium cepa	Bulb	10.0	100.0	-1.0	USDA's Ag Handbook 8 and sequelae)
Aloe vera	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera ( <i>L.</i> ) 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 archangelica	Fruit	--	--		*
Angelica sinensis	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Annona reticulata	Plant	--	--		*
Annona muricata	Plant	--	--		*
Apium graveolens	Seed	125.0	213.0	-0.29	*
Apium graveolens	Pt	10.0	190.0		USDA's Ag Handbook 8 and sequelae)

<i>Aquilegia vulgaris</i>	Seed	--	--		*
<i>Arachis hypogaea</i>	Seed	250.0	300.0	-0.29	*
<i>Arctium lappa</i>	Plant	--	--		*
<i>Areca catechu</i>	Seed	9240.0	30240.0	0.1	*
<i>Argemone mexicana</i>	Seed	--	--		*
<i>Artemisia capillaris</i>	Essential Oil	--	--		*
<i>Asimina triloba</i>	Fruit	306.0	4956.0	-0.04	*
<i>Asparagus officinalis</i>	Shoot	10.0	129.0	1.41	*
<i>Astrocaryum vulgare</i>	Seed Oil	--	--		Szpiz, R. R., Pereira, D. A., Lago, R. C. A. 1980. Comparison Between Oils From Three Brazilian Palms. Bol. Rec. Cent. Technol. Agric. Aliment (Rio de Janeiro) 14: 33-46. Cent Technol Agric Aliment Empresa Brasil Pesqui Aropecu Rio de Janeiro, Brazil.
<i>Azadirachta indica</i>	Fruit	--	630.0	-0.24	*
<i>Bactris gasipaes</i>	Seed	--	89000.0	0.87	*
<i>Bertholletia excelsa</i>	Seed	6200.0	12600.0	-0.13	*
<i>Bidens pilosa</i>	Plant	--	--		Jim Duke's personal files.
<i>Bixa orellana</i>	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.
<i>Brassica oleracea</i> var. <i>sabellica</i> l.	Leaf	30.0	190.0	-0.61	*
<i>Brassica oleracea</i> var. <i>viridis</i> l.	Plant	--	--		*
<i>Brassica oleracea</i>	Stem	--	--		*
<i>Calendula officinalis</i>	Seed	10300.0	16100.0	-0.09	*
<i>Camellia sinensis</i>	Seed	--	--		*
<i>Camellia sinensis</i>	Leaf	--	--		*
<i>Camellia sinensis</i>	Seed Oil	--	--		*
<i>Capparis spinosa</i>	Plant	--	--		*
<i>Capsicum annum</i>	Fruit	10.0	136.0	-0.26	*
<i>Capsicum frutescens</i>	Seed	--	--		*
<i>Capsicum frutescens</i>	Fruit	10.0	82.0	-0.27	USDA's Ag Handbook 8 and sequelae)
<i>Carica papaya</i>	Leaf	--	--		Jim Duke's personal files.
<i>Carica papaya</i>	Fruit	70.0	627.0	-0.24	*
<i>Carica papaya</i>	Seed Oil	--	4000.0	-0.56	Jim Duke's personal files.
<i>Carica papaya</i>	Flower	--	--		Jim Duke's personal files.
<i>Carica papaya</i>	Seed	--	--		*
<i>Carthamus tinctorius</i>	Seed	3000.0	9390.0	-0.17	*
<i>Carum carvi</i>	Fruit	400.0	444.0	-0.25	*
<i>Carum carvi</i>	Seed	400.0	444.0	-0.29	USDA's Ag Handbook 8 and sequelae)
<i>Carya illinoensis</i>	Leaf	--	--		*

Ceiba pentandra	Seed	--	--		Abstract (See species file)
Centaurea calcitrapa	Plant	--	--		*
Cicer arietinum	Seed	90.0	100.0	-0.29	USDA's Ag Handbook 8 and sequelae)
Cichorium endivia	Leaf	30.0	483.0	-0.41	*
Cichorium intybus	Root	30.0	150.0	-0.54	USDA's Ag Handbook 8 and sequelae)
Cichorium intybus	Leaf	10.0	204.0	-0.6	USDA's Ag Handbook 8 and sequelae)
Cinnamomum verum	Seed	21900.0	25550.0	0.04	Wealth of India.
Cinnamomum camphora	Plant	--	--		*
Citrullus lanatus	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.
Citrullus colocynthis	Seed	--	--		*
Citrus reticulata	Fruit	10.0	80.0	-0.27	USDA's Ag Handbook 8 and sequelae)
Citrus reticulata	Seed Oil	--	--		*
Citrus aurantiifolia	Fruit	10.0	85.0	-0.27	USDA's Ag Handbook 8 and sequelae)
Cocos nucifera	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.
Cocos nucifera	Seed Oil	--	--		Jim Duke's personal files.
Coffea arabica	Seed	--	--		*
Coix lacryma-jobi	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Coriandrum sativum	Fruit	200.0	219.0	-0.26	USDA's Ag Handbook 8 and sequelae)
Corylus avellana	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.
Croton tiglium	Seed	22500.0	37500.0	0.19	*
Cucumis melo	Fruit	1500.0	8920.0	0.15	*
Cucumis sativus	Fruit	10.0	253.0	-0.26	*
Cucurbita pepo	Fruit	60.0	714.0	-0.24	USDA's Ag Handbook 8 and sequelae)
Cucurbita foetidissima	Seed	486.0	680.0	-0.29	*
Cucurbita spp	Fruit	10.0	160.0	-0.26	*
Cucurbita pepo	Flower	50.0	1030.0	1.0	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Seed	200.0	559.0	-0.29	*
Cyamopsis tetragonoloba	Seed Oil	--	--		Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil (Cyamopsis tetragonoloba L. Taub). J Agr Food Chem, 32(5): 1073-1075.
Cydonia oblonga	Seed	--	--		*
Cynara cardunculus	Flower	20.0	135.0	-1.0	USDA's Ag Handbook 8 and sequelae)
Cyperus rotundus	Rhizome	--	--		*
Daucus carota	Root	10.0	80.0	-0.64	*
Daucus carota	Seed	10470.0	36300.0	0.18	*
Echinacea angustifolia	Root	--	--		*
Elaeis guineensis	Fruit	2300.0	48320.0	2.01	*

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

Medicago sativa	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Mentha pulegium	Essential Oil	--	--		*
Mentha x piperita	Leaf	60.0	280.0	-0.55	USDA's Ag Handbook 8 and sequelae)
Mentha spicata	Leaf	40.0	275.0	-0.55	USDA's Ag Handbook 8 and sequelae)
Momordica charantia	Seed Oil	--	--		Jim Duke's personal files.
Momordica charantia	Fruit	--	--		Jim Duke's personal files.
Morinda citrifolia	Fruit	--	0.06	-0.27	*
Moringa oleifera	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Moringa oleifera	Shoot	--	--		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	Essential Oil	--	--		*
Myristica fragrans	Seed	60.0	320000.0	3.89	*
Myristica fragrans	Seed Essent. Oil	--	3000.0	-1.0	*
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 Oil	1900.0	18000.0	1.4	*
Nigella sativa	Seed	567.0	1082.0	-0.28	*
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 ginseng	Root	--	--		*
Panax quinquefolius	Root	--	--		*
Papaver somniferum	Seed Oil	--	--		*

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

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.
Sesamum indicum	Seed Oil	--	--		*
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	Seed Oil	--	--		*
Tamarindus indica	Fruit	70.0	102.0	-0.26	USDA's Ag Handbook 8 and sequelae)
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 radiata	Sprout Seedling	--	--		USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Shoot	10.0	98.0	-0.71	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Shoot	10.0	98.0	-0.71	*
Vigna unguiculata	Seed	10.0	11.0	-0.3	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	20.0	60.0	-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)
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	Rhizome	180.0	1650.0	-1.0	*
Zingiber officinale	Root	180.0	1650.0	1.73	USDA's Ag Handbook 8 and sequelae)