

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for PALMITOLEIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus esculentus	Seed	730.0	880.0	-0.27734359101749956	Wealth of India.
Aesculus hippocastanum	Leaf				Jim Duke's personal files.
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.
Anacardium occidentale	Seed	1690.0	3235.0	-0.22081283286336767	--
Ananas comosus	Fruit	30.0	220.0	-0.3052214375445054	USDA's Ag Handbook 8 and sequelae)
Anethum graveolens	Plant				--
Anethum graveolens	Fruit	500.0	542.0	-0.24636918327436183	--
Anethum graveolens	Seed	500.0	542.0	-0.28545713507529	USDA's Ag Handbook 8 and sequelae)
Angelica archangelica	Fruit				--
Angelica archangelica	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Apium graveolens	Pt	10.0	190.0		USDA's Ag Handbook 8 and sequelae)
Aquilegia vulgaris	Seed				--
Arachis hypogaea	Seed	90.0	4806.0	-0.1831016561923948	--
Areca catechu	Seed				--
Asparagus officinalis	Shoot	10.0	129.0	1.4142135623730954	--
Bactris gasipaes	Fruit	2880.0	19120.0	3.1491500087465303	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Bertholletia excelsa	Seed	3240.0	3352.0	-0.21800429838182483	USDA's Ag Handbook 8 and sequelae)
Bidens pilosa	Plant				Jim Duke's personal files.
Brassica nigra	Leaf	10.0	147.0	-0.480150098514262	USDA's Ag Handbook 8 and sequelae)
Brassica rapa	Root	10.0	120.0	-0.6762068642190665	--
Brassica oleracea var. viridis l.	Plant				--
Brassica oleracea	Stem				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Brassica oleracea var. gemmifera	Leaf	20.0	142.0	-0.48858694132298586	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. sabellica l.	Leaf	10.0	65.0	-0.6185143205773332	--
Calendula officinalis	Seed	12000.0	20500.0	0.1936260374258411	--
Capsicum frutescens	Fruit				USDA's Ag Handbook 8 and sequelae)
Capsicum annuum	Fruit	30.0	409.0	-0.27067772308159505	USDA's Ag Handbook 8 and sequelae)
Carica papaya	Flower				Jim Duke's personal files.
Carica papaya	Fruit	200.0	1790.0	-0.01827100523355692	--
Carum carvi	Fruit	900.0	999.0	-0.16284284724499656	--
Carum carvi	Seed	900.0	999.0	-0.27448704739952007	USDA's Ag Handbook 8 and sequelae)
Cedrus deodora	Seed		181035.0	4.047199396353042	--
Cicer arietinum	Seed	120.0	135.0	-0.2952269943401442	USDA's Ag Handbook 8 and sequelae)
Cichorium intybus	Root	750.0	3750.0	1.9212861697652845	USDA's Ag Handbook 8 and sequelae)
Citrullus colocynthis	Seed				--
Citrus sinensis	Fruit	30.0	226.0	-0.30412481168854	USDA's Ag Handbook 8 and sequelae)
Citrus reticulata	Seed Oil				--
Citrus reticulata	Fruit	40.0	320.0	-0.28694433994508195	USDA's Ag Handbook 8 and sequelae)
Citrus paradisi	Fruit	10.0	110.0	-0.32532624490387124	USDA's Ag Handbook 8 and sequelae)
Citrus aurantiifolia	Fruit	30.0	255.0	-0.2988244533847072	USDA's Ag Handbook 8 and sequelae)
Corchorus olitorius	Leaf	30.0	245.0	-0.31478797946327436	--
Coriandrum sativum	Fruit	1000.0	1097.0	-0.14493129159756157	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Seed	990.0	1064.0	-0.2729267504653296	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Fruit	60.0	714.0	-0.21493257540335348	USDA's Ag Handbook 8 and sequelae)
Cucurbita spp	Fruit	10.0	169.0	-0.31454275732021136	--
Cucurbita pepo	Flower	50.0	1030.0		USDA's Ag Handbook 8 and sequelae)
Daucus carota	Seed	270.0	1725.0	-0.25705973087302336	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Daucus carota	Root	20.0	165.0	-0.6440065373514919	--
Elaeagnus angustifolia	Seed		495.0	-0.2865853497815508	Hetherington, M and Steck, W. 1997. Natural chemicals from northern prairie plants - the phytochemical contents of one thousand North American species. 277 pp. Ag-West Biotech, Inc. Saskatoon, Canada. Fytokem Products, Saskatoon.
Elaeis guineensis	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Elettaria cardamomum	Fruit	200.0	650.0	-0.2266299178669845	Revised USDA data received 1993.
Fragaria spp	Fruit	10.0	119.0	-0.32368130611992313	USDA's Ag Handbook 8 and sequelae)
Ginkgo biloba	Seed	790.0	1761.0	-0.256195566417164	USDA's Ag Handbook 8 and sequelae)
Glycine max	Seed	550.0	600.0	-0.28406487011862774	USDA's Ag Handbook 8 and sequelae)
Helianthus annuus	Seed	490.0	515.0	-0.28610525841718454	USDA's Ag Handbook 8 and sequelae)
Hibiscus sabdariffa	Seed				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hordeum vulgare	Leaf				--
Jatropha curcas	Seed	4200.0	6720.0	-0.13715691262253984	--
Juglans regia	Seed	1610.0	1670.0	-0.25837998212503066	USDA's Ag Handbook 8 and sequelae)
Juglans nigra	Seed	770.0	805.0	-0.2791439336338732	USDA's Ag Handbook 8 and sequelae)
Juniperus communis	Seed Oil				--
Juniperus communis	Plant				--
Lablab purpureus	Seed	10.0	82.0	-0.2964992364557149	--
Lactuca sativa	Leaf	30.0	500.0	0.11549100378164236	--
Lens culinaris	Seed	20.0	23.0	-0.2979155059805955	USDA's Ag Handbook 8 and sequelae)
Lupinus albus	Seed	340.0	380.0	-0.28934587512665705	--
Lycopersicon esculentum	Fruit	10.0	165.0	-0.31527384122418833	--
Macadamia spp	Seed	113385.0	190650.0	4.278003319772141	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Malus domestica	Fruit	10.0	62.0	-0.3340992517515945	--
Mangifera indica	Fruit	480.0	2625.0	0.13434275972162907	--
Mentha x piperita	Leaf	20.0	95.0	-0.5678932637249902	USDA's Ag Handbook 8 and sequelae)
Mentha spicata	Leaf	20.0	140.0	-0.49196167844647537	USDA's Ag Handbook 8 and sequelae)
Momordica charantia	Fruit				Jim Duke's personal files.
Morus alba	Seed				--
Mucuna pruriens	Seed	35.0	630.0	-0.2833447330720783	--
Murraya sp	Plant				--
Musa x paradisiaca	Fruit	120.0	466.0	-0.2602597774499237	USDA's Ag Handbook 8 and sequelae)
Musa x paradisiaca	Plant				--
Nelumbo nucifera	Rhizome	20.0	95.0	-1.0	--
Nigella sativa	Seed Oil		2000.0	-0.7427413770332781	--
Oenothera biennis	Seed Oil				--
Origanum vulgare	Plant	1600.0	1723.0	1.0	USDA's Ag Handbook 8 and sequelae)
Panax ginseng	Root				--
Papaver somniferum	Seed Oil				--
Papaver somniferum	Seed	1300.0	1394.0	-0.26500524295328565	--
Pastinaca sativa	Root	30.0	145.0	-0.6583177937370807	--
Persea americana	Fruit	6430.0	25000.0	4.223843347592631	USDA's Ag Handbook 8 and sequelae)
Phoenix dactylifera	Seed				Abstract (See species file)
Pinus pinea	Seed	2080.0	2230.0	-0.24493742392277426	USDA's Ag Handbook 8 and sequelae)
Pinus edulis	Seed	2500.0	2655.0	-0.2347354824299904	USDA's Ag Handbook 8 and sequelae)
Pistacia vera	Seed	2860.0	2975.0	-0.22705402060012958	--
Pisum sativum	Fruit				--
Portulaca oleracea	Herb	140.0	2940.0		--
Prunus dulcis	Seed	3040.0	3180.0	-0.222133084115375	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Prunus domestica	Fruit	50.0	338.0	-0.2836544623771857	USDA's Ag Handbook 8 and sequelae)
Prunus persica	Fruit	10.0	80.0	-0.33080937418369827	--
Prunus cerasus	Fruit	10.0	72.0	-0.33227154199165215	--
Psidium guajava	Fruit	30.0	216.0	-0.30595252144848234	USDA's Ag Handbook 8 and sequelae)
Psidium cattleianum	Fruit	30.0	155.0	-0.3171015509841307	--
Pyrus communis	Fruit	20.0	124.0	-0.32276745123995193	--
Ribes rubrum	Fruit	10.0	62.0	-0.3340992517515945	--
Ribes nigrum	Fruit	70.0	388.0	-0.27451591357747396	USDA's Ag Handbook 8 and sequelae)
Rosmarinus officinalis	Leaf	660.0	2050.0	2.730912274486039	USDA's Ag Handbook 8 and sequelae)
Sambucus nigra	Flower				--
Sambucus nigra	Seed				--
Schisandra chinensis	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
Secale cereale	Seed	100.0	110.0	-0.2958271085456021	USDA's Ag Handbook 8 and sequelae)
Sesamum indicum	Seed	1490.0	1563.0	-0.2609484709243904	USDA's Ag Handbook 8 and sequelae)
Sesamum indicum	Seed Oil		5000.0	1.4136045562891428	--
Simarouba glauca	Seed	1300.0	1420.0	-0.26438112417960946	--
Sinapis alba	Seed	570.0	674.0	-0.28228853207047244	--
Skimmia arborescens	Seed		7000.0	-0.13043563352141163	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Solanum melongena	Fruit	10.0	124.0	-0.32276745123995193	--
Solanum tuberosum	Tuber	10.0	48.0		USDA's Ag Handbook 8 and sequelae)
Spinacia oleracea	Leaf				--
Spinacia oleracea	Plant	21.0	475.0	-1.0	--
Terminalia catappa	Seed	11850.0	14125.0	0.04059691503408286	--
Tetragonia tetragonioides	Leaf	30.0	500.0	0.11549100378164236	--
Trigonella foenum-graecum	Seed Oil		2100.0	-0.670863179255864	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Triticum aestivum	Plant				--
Vicia faba	Seed		0.0	-0.2984676110496168	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Shoot	10.0	98.0	-0.7071067811865472	--
Vigna unguiculata	Shoot	10.0	98.0	-0.7071067811865472	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	20.0	60.0	-0.29702733695651784	--
Vigna unguiculata	Fruit	10.0	82.0	-0.3304438322317098	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	20.0	60.0	-0.29702733695651784	USDA's Ag Handbook 8 and sequelae)
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.
Zea mays	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Zingiber officinale	Rhizome	210.0	1145.0	1.0	--
Zingiber officinale	Root	210.0	1145.0	0.05724502554235483	USDA's Ag Handbook 8 and sequelae)