

List of Plants



Chemid

ISOMENTHONE

*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
Acinos suaveolens	Essential Oil	--	--		Jim Duke's personal files.
Acinos suaveolens	Shoot	1090.0	3255.0	0.05	Tumen, G. 1991. The Volatile Constituents of Acinos suaveolens (Sibt. et Smith). G. Don fil. Growing in Turkey. J. Ess. Oil Res. 3:191-2.
Agastache pallidiflora	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Agastache urticifolia	Plant	--	962.0	-0.42	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Agathosma betulina	Leaf Essent. Oil	--	--		*
Agathosma betulina	Leaf	5250.0	8750.0	2.19	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Barosma betulina	Leaf	5250.0	8750.0	2.19	*
Calamintha nepeta	Plant	--	10.0	-0.71	J. Ethnopharmacology, 39: 167.
Calamintha nepeta	Leaf	--	465.0	-0.53	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
Cistus ladaniferus	Leaf	23.0	1610.0	-0.15	*
Dracocephalum thymiflora	Plant	--	216.0	-0.65	*
Glechoma hederacea	Plant	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Hedeoma pulegioides	Essential Oil	--	--		*
Hedeoma pulegioides	Plant	48.0	9300.0	2.14	*
Hedeoma pulegioides	Pollen Or Spore	--	8000.0		*
Hedeoma drummondii	Plant	13.0	3809.0	0.45	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lepechinia calycina	Plant	--	10.0	-0.71	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Mentha spicata	Essential Oil	--	--		*
Mentha spicata	Leaf	50.0	125.0	-0.64	*
Mentha aquatica	Shoot	--	--		Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
Mentha aquatica	Shoot	--	--		Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
Mentha pulegium	Essential Oil	12000.0	421000.0	1.0	*
Mentha pulegium	Plant	--	8420.0	1.87	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

<i>Mentha aquatica</i>	Shoot	--	--		Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogekagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha aquatica</i>	Shoot	--	0.1	-0.53	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogekagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha arvensis</i> var. <i>piperascens</i>	Leaf	300.0	600.0	-0.48	*
<i>Mentha x piperita</i>	Leaf	30.0	1000.0	-0.35	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Mentha longifolia</i>	Shoot	--	16065.0	2.32	*
<i>Mentha aquatica</i>	Shoot	--	--		Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogekagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha aquatica</i>	Leaf	30.0	170.0	-0.62	*
<i>Micromeria fruticosa</i>	Shoot	--	245.0	-0.49	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. <i>Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria juliana</i>	Leaf	--	230.0	-0.6	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria congesta</i>	Leaf	--	80.0	-0.65	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Leaf	1110.0	7080.0	1.64	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria dalmatica</i>	Leaf	--	--	-0.68	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria myrtifolia</i>	Shoot	--	--	-0.53	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. <i>J. Ess. Oil Res.</i> , 4: 79-80.
<i>Micromeria fruticosa</i>	Shoot	--	245.0	-0.49	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. <i>Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria thymifolia</i>	Leaf	--	695.0	-0.45	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria croatica</i>	Leaf	--	600.0	-0.48	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Minthostachys mollis</i>	Shoot	23.0	44.0	-0.53	Alkire, B.H., Tucker, A.O., and Maciarello, M.J. 1994. Tipo (<i>Minthostachys mollis</i> (Lamiaceae): An Ecuadorian Mint. <i>Econ. Bot.</i> 48(1): 60-64.
<i>Moldavica thymiflora</i>	Plant	--	216.0	-0.65	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda lindheimeri</i>	Plant	--	18.0	-0.71	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda didyma</i>	Flower	--	--		Flavour and Fragrance Journal, 6: 80.
<i>Monarda russeliana</i>	Plant	--	207.0	-0.65	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda fistulosa</i>	Plant	12.0	146.0	-0.67	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda citriodora</i>	Plant	--	34.0	-0.7	*
<i>Monarda punctata</i>	Plant	24.0	243.0	-0.64	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda didyma</i>	Leaf	15.0	25.0	-0.67	*
<i>Pelargonium graveolens</i>	Essential Oil	8.0	38.0	-1.0	*
<i>Pelargonium roseum</i>	Shoot	--	1188.0	-0.32	*
<i>Pelargonium citrosum</i>	Shoot	--	155.0	-0.51	Matsuda, B. M., et al. 1996. Essential Oil Analysis and Field Evaluation of the Citrosa Plant ' <i>Pelargonium citrosum</i> ' as a Repellent Against Populations of <i>Aedes</i> Mosquitoes. <i>J. Am. Mosq. Contr. Assoc.</i> 12(1):69-74.

<i>Pycnanthemum montanum</i>	Shoot	42.0	4848.0	0.33	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum tenuifolium</i>	Shoot	1.0	10580.0	1.35	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum californicum</i>	Shoot	--	3708.0	0.13	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum verticillatum</i>	Shoot	--	147.0	-0.51	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pilosum</i>	Flower	494.0	2940.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum incanum</i>	Shoot	352.0	931.0	-0.37	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum setosum</i>	Shoot	180.0	279.0	-0.48	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum beadleii</i>	Shoot	--	35.0	-0.53	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pycnanthemoides</i>	Shoot	390.0	580.0	-0.43	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum torreyi</i>	Shoot	--	310.0	-0.48	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum muticum</i>	Shoot	29.0	2100.0	-0.16	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum clinopodioides</i>	Shoot	21.0	528.0	-0.44	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum albescens</i>	Shoot	80.0	270.0	-0.49	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum virginianum</i>	Shoot	102.0	22533.0	3.47	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pilosum</i>	Leaf	494.0	2940.0	0.29	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ribes nigrum</i>	Bud	--	--		*
<i>Satureja glabella</i>	Plant	--	7040.0	1.44	*
<i>Satureja douglasii</i>	Plant	13.0	4277.0	0.6	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Satureja grandiflora</i>	Shoot	--	965.0	-0.36	Carnat, A., Chossegros, A., and Lamaison, J. 1991. The Essential Oil of <i>Satureja grandiflora</i> (L.) Scheele from France. <i>J. Ess. Oil Res.</i> , 3: 361-362