Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for TRANS-SABINENE-HYDRATE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Angelica archangelica	Root		1.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Rosmarinus officinalis	Leaf Essent. Oil				--
Ocimum basilicum	Plant				--
Piper nigrum	Fruit Essent. Oil		1400.0		--
Mentha spicata	Essential Oil				--
Laurus nobilis	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Origanum vulgare	Plant				--
Ocimum basilicum	Essential Oil				--
Hyssopus officinalis	Flower	1.0	6.0		--
Angelica archangelica	Root Essent. Oil				--
Melaleuca alternifolia	Root Essent. Oil		4200.0		--
Piper nigrum	Fruit				--
Myristica fragrans	Essential Oil	3000.0	9000.0	-1.0	--
Origanum vulgare	Shoot Essent. Oil		1500.0	-1.0	--
Cuminum cyminum	Seed		87.0	-1.0	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Salvia officinalis	Leaf Essent. Oil		2000.0	-1.0	--
Cuminum cyminum	Seed Essent. Oil		800.0	-1.0	--
Elsholtzia polystachya	Leaf		0.4	-0.9329909737748976	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Elsholtzia polystachya	Leaf		0.4	-0.9329909737748976	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379.
Calamintha nepeta	Leaf		1.0	-0.9047998796032819	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.
Murraya koenigii	Leaf		9.0	-0.5289186239817404	--
Citrus sinensis	Fruit	0.0	0.1	-0.5231287251565837	--
Citrus reticulata	Fruit	0.0	0.1	-0.5231287251565837	--
Juniperus communis	Fruit	1.0	6.0	-0.5171765141826495	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cuminum cyminum	Fruit		87.0	-0.43545971945575607	--
Artemisia annua	Plant		1.0	-0.398820639243658	--
Origanum vulgare	Plant		2.5	-0.3957135667445564	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum vulgare	Plant		3.5	-0.39364218507848864	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Sideritis germanicolpitana	Plant	3.0	4.0	-0.3926064942454548	J. Essential Oil, 4: 533.
Thymus x citriodorus	Plant		10.0	-0.38017820424904836	Stahl-Biskup, E. and Holthuijzen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, Thymus x citriodorus (Pers.) Schreb. Flav. & Fragr. J. 10: 225-229.
Aloysia citrodora	Plant	2.0	14.0	-0.3718926775847774	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Rosmarinus officinalis	Plant		19.0	-0.36153576925443864	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus longicaulis	Shoot		0.0	-0.3101839651847528	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Origanum syriacum	Shoot		0.0	-0.3101839651847528	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum syriacum	Shoot		0.0	-0.3101839651847528	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum onites	Shoot		0.0	-0.3101839651847528	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Frag. J. 8: 331-7.
Thymus capitatus	Shoot		0.0	-0.3101839651847528	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Frag. J. 8: 331-7.
Thymus longicaulis	Shoot		5.0	-0.29814640056255653	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Thymus longicaulis	Shoot		5.0	-0.29814640056255653	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Micromeria fruticosa	Shoot		10.0	-0.2861088359403603	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of Micromeria fruticosa (L.) Druce subsp. barbata (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res 3: 477-479.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Micromeria fruticosa	Shoot		10.0	-0.2861088359403603	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of Micromeria fruticosa (L.) Druce subsp. barbata (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res 3: 477-479.
Thymus zygis	Shoot		10.0	-0.2861088359403603	Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. Thymus zygis Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. JEO5: 153-8.
Elsholtzia pilosa	Shoot		12.0	-0.2812938100914818	--
Ocimum gratissimum	Plant	5.0	60.0	-0.2766091209456613	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Thymus capitatus	Plant	30.0	60.0	-0.2766091209456613	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Calamintha nepeta	Shoot		17.0	-0.26925624546928556	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglo, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
Nepeta racemosa	Shoot		22.0	-0.2572186808470893	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7.
Nepeta racemosa	Shoot		22.0	-0.2572186808470893	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7.
Thymus mastichina	Plant	80.0	110.0	-0.17304003764227432	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Micromeria varia	Shoot		60.0	-0.16573318971839784	Pedro, L.G., et al. 1995. Composition of the Essential oil of Micromeria varia Benth. ssp. thymoides (Sol. ex Lowe) Perez var. thymoides, and endemic species of the Madeira Archipelago. flav. & Fragr. J. 10(3): 199-202.
Micromeria varia	Shoot		60.0	-0.16573318971839784	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Satureja cilicica	Shoot		70.0	-0.14165806047400537	Tumen, G. Baser, K.H.C. and Kirimer, N. 1993. The Essential Oil of Satureja cilicica P.H. Davis. J. Ess. Oil Res. 5: 547-548.
Lavandula x hybrida	Shoot	47.0	75.0	-0.12962049585180913	Tucker, A.O., Maciarello, M.J., Angell, S., Espaillat, J.R., and French, E.C. 1993. The Essential Oil of Lavandula x hybrida Balb. ex Ging., a Distinct Hybrid from L. x heterophylla Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
Mentha longifolia	Shoot	1.0	80.0	-0.11758293122961287	Fleisher, Z. and Fleisher, A. 1991. The Essential Oils from Mentha longifolia Growing in Sinai and Israel. J. Ess. Oil Res., 3: 57.
Thymus funkii	Shoot		90.0	-0.09350780198522038	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383.
Thymus funkii	Shoot		90.0	-0.09350780198522038	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383.
Origanum vulgare	Plant		165.0	-0.0591140460085486	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum syriacum	Shoot		120.0	-0.021282414252042765	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Thymus cilicicus	Shoot		145.0	0.038905408858938464	Tumen, G., Koyuncu, M., Kirimer, N., and Baser, K.H.C. 1994. Composition of the Essential Oil of Thymus cilicicus Boiss. & Bal. J. Ess. Oil Res. 6: 97-8.
Monarda fistulosa	Plant	1.0	217.0	0.048597800626973886	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum loomisii	Shoot	66.0	168.0	0.0942782061210412	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Micromeria teneriffae	Leaf		35.0	0.6926954567882695	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of Micromeria congesta. J. Ess. Oil Res., 3: 387-393.
Hyssopus officinalis	Leaf	1.0	40.0	0.9276212415517329	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosmarinus officinalis	Shoot Essent. Oil		14400.0	1.0	--
Myristica fragrans	Seed	60.0	480.0	1.0	--
Myristica fragrans	Seed Essent. Oil	3000.0	8000.0	1.0	--
Origanum majorana	Leaf Essent. Oil		60000.0	1.0	--
Origanum majorana	Essential Oil		51000.0	1.0	--
Salvia officinalis	Leaf	10.0	56.0	1.6793837527948157	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Elettaria cardamomum	Fruit	875.0	2500.0	1.9988936839515734	--
Origanum majorana	Plant	30.0	1850.0	3.431164061315594	--
Artemisia salsoloides	Shoot		2150.0	4.8659688223596325	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of Aremisia salsoloides Willd. from Ladakh,Flavour and Fragrance journal, Vol.7, 299-305.