

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for CIS-BETA-OCIMENE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Acinos alpinus	Shoot		4.0	-0.5300084189646802	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of Acinus alpinus (L.) Moench ssp. meridionalis (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.)
Acinos alpinus	Shoot		4.0	-0.5300084189646802	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of Acinus alpinus (L.) Moench ssp. meridionalis (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.)
Agathosma betulina	Leaf Essent. Oil				--
Alpinia galanga	Leaf Essent. Oil		20500.0		--
Alpinia galanga	Rhizome Essent. Oil		20500.0		--
Angelica sinensis	Root Essent. Oil		121800.0		Jim Duke's personal files.
Apium graveolens	Seed Essent. Oil				--
Artemisia dracunculus	Essential Oil				--
Artemisia dracunculus	Leaf				--
Boswellia sacra	Resin Essent. Oil		2000.0		Abdel Wahab, S. M., Aboutabl, E. A., El-Zalabani, S. M., Fouad, H. A., De Pooter, H. L., El-Fallaha, B. 1987. The Essential Oil of Olibanum. Plant Med. 53 (4): 382-384.
Camellia sinensis	Leaf				--
Carum carvi	Seed				--
Hedychium flavum	Shoot		10.0	-0.49092399924214514	--
Hesperis matronalis	Flower				Nielsen, J. K., Jakobsen, H. B., Friis, P., Hansen, K., Moller, J., Olsen, C. E. 1995. Asynchronous Rhythmus in the Emission of Volatiles from Hesperis matronalis Flowers. Phytochemistry, 38(4): 847-851.
Hyssopus officinalis	Shoot		200.0	0.7467492919714654	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.

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Hyssopus officinalis	Shoot		10.0	-0.49092399924214514	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		110.0	0.1604829961334394	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Leaf	0.1	720.0	1.414213562373095	--
Hyssopus officinalis	Shoot		80.0	-0.03493910247923596	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot				Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		50.0	-0.23036120109191133	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Flower	0.6	6.0		--
Hyssopus officinalis	Shoot		100.0	0.09534229659588093	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		10.0	-0.49092399924214514	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Illicium verum	Fruit		100.0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lantana camara	Shoot		1.0	-0.5495506288259477	--
Mentha aquatica	Shoot		2.0	-0.5430365588721919	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		8.0	-0.5039521391496569	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		5.0	-0.5234943490109244	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		5.0	-0.5234943490109244	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		8.0	-0.5039521391496569	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.
Micromeria varia	Shoot		0.0	-0.5560646987797035	--
Micromeria varia	Shoot		0.0	-0.5560646987797035	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 fruticosa	Leaf		120.0	-0.7071067811865475	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.
Ocimum suave	Shoot		540.0	2.9615330762484526	J. Nat. Prod. 44: 308.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum vulgare	Shoot Essent. Oil		270000.0		--
Pastinaca sativa	Root				--
Perilla frutescens	Shoot Essent. Oil				Nguyen, X. D., La, D. M., Lu'u, D. C., Leclercq, P. A. 1995. Essential Oil Constituents from the Aerial Parts of Perilla frutescens (L.) Britton. J. Essent. Oil Res., 7(4): 429-432.
Petroselinum crispum	Plant				--
Petroselinum crispum	Leaf				--
Pimenta dioica	Leaf Essent. Oil				--
Pinus sylvestris	Leaf				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Psidium guajava	Pericarp Essent. Oil				--
Ravensara aromatica	Leaf		120.0	-0.7071067811865475	--
Ribes nigrum	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Rosmarinus officinalis	Shoot		6.0	-0.5169802790571685	Tucker, A. O. and Maciarello, M. J. 1998. The essential oils of some rosemary cultivars. Flavor and Fragrance Journal, 1: 137-142. 1986.
Salvia officinalis	Leaf Essent. Oil				--
Salvia sclarea	Plant	2.4	24.0	1.0	Flavour and Fragrance Journal, 6: 154.
Satureja cuneifolia	Shoot		525.0	2.863822026942115	Tumen, G. 1991. The Volatile Constituents of Satureja cuneifolia. J. Ess. Oil Res., 3: 365-366.
Tagetes filifolia	Leaf Essent. Oil				Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus x citriodorus	Plant		20.0	-1.0	Stahl-Biskup, E. and Holthuijzen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, <i>Thymus x citriodorus</i> (Pers.) Schreb. <i>Flav. & Fragr. J.</i> 10: 225-229.
Trifolium pratense	Fruit				--
Trifolium pratense	Flower				--
Trifolium pratense	Leaf				--