Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for CIS-BETA-OCIMENE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum suave	Shoot		540.0	2.9615330762484526	J. Nat. Prod. 44: 308.
Satureja cuneifolia	Shoot		525.0	2.863822026942115	Tumen, G. 1991. The Volatile Constituents of Satureja cuneifolia. J. Ess. Oil Res., 3: 365-366.
Hyssopus officinalis	Leaf	0.1	720.0	1.414213562373095	--
Salvia sclarea	Plant	2.4	24.0	1.0	Flavour and Fragrance Journal, 6: 154.
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.
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.
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 (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
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 (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
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 (Hyssopus officinalis 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 (Hyssopus officinalis 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 (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 (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hedychium flavum	Shoot		10.0	-0.49092399924214514	--
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		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.
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.
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.
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.)

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.)
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.
Lantana camara	Shoot		1.0	-0.5495506288259477	--
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 varia	Shoot		0.0	-0.5560646987797035	--
Ravensara aromatica	Leaf		120.0	-0.7071067811865475	--
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.
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, Thymus x citriodorus (Pers.) Schreb. Flav. & Fragr. J. 10: 225-229.
Camellia sinensis	Leaf				--
Angelica sinensis	Root Essent. Oil		121800.0		Jim Duke's personal files.
Agathosma betulina	Leaf Essent. Oil				--
Psidium guajava	Pericarp Essent. Oil				--
Alpinia galanga	Rhizome Essent. Oil		20500.0		--
Alpinia galanga	Leaf Essent. Oil		20500.0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tagetes filifolia	Leaf Essent. Oil				Zygadlo, 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.
Pinus sylvestris	Leaf				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Pimenta dioica	Leaf Essent. Oil				--
Hyssopus officinalis	Flower	0.6	6.0		--
Pastinaca sativa	Root				--
Hyssopus officinalis	Shoot				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.
Salvia officinalis	Leaf Essent. Oil				--
Origanum vulgare	Shoot Essent. Oil		270000.0		--
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.
Ribes nigrum	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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.
Illicium verum	Fruit		100.0		--
Carum carvi	Seed				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Apium graveolens	Seed Essent. Oil				--
Artemisia dracunculus	Essential Oil				--
Artemisia dracunculus	Leaf				--
Trifolium pratense	Leaf				--
Trifolium pratense	Flower				--
Trifolium pratense	Fruit				--
Petroselinum crispum	Leaf				--
Petroselinum crispum	Plant				--