

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for ESTRAGOLE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Agastache rugosa	Tissue Culture				Jim Duke's personal files.
Agastache rugosa	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Agastache foeniculum	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Agastache rugosa	Shoot				Jim Duke's personal files.
Agastache foeniculum	Essential Oil	820000.0	930000.0	0.8815118739276978	Jim Duke's personal files.
Agastache rugosa	Essential Oil		895000.0	0.7812993994251581	Jim Duke's personal files.
Agathosma betulina	Leaf Essent. Oil				--
Artemisia dracunculus	Shoot	100.0	8100.0	1.3723679658914105	--
Artemisia dracunculus	Leaf				--
Artemisia dracunculus	Leaf Essent. Oil		690000.0	0.31496006507489993	--
Artemisia dracunculus	Root Essent. Oil				--
Artemisia dracunculus	Essential Oil	100000.0	776300.0	0.4414359501836876	--
Artemisia dracunculus	Seed Essent. Oil		650000.0	1.2260811936910665	--
Artemisia dracunculus	Shoot Essent. Oil	750000.0	814000.0		--
Boswellia serrata	Essential Oil		20000.0	-1.7240124631383356	--
Cinnamomum verum	Root Bark				--
Dictamnus albus	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Foeniculum vulgare	Sprout Seedling				Jim Duke's personal files.
Foeniculum vulgare	Seed		64000.0		--
Foeniculum vulgare	Fruit		64000.0		--
Foeniculum vulgare	Essential Oil	27000.0	56000.0	-1.6209367750785804	Jim Duke's personal files.
Foeniculum vulgare	Seed Essent. Oil	30000.0	344000.0	-0.0026770331739982742	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Glycyrrhiza glabra	Root		1.0		--
Hyssopus officinalis	Leaf	1.0	80.0	-0.8780569046390017	Flavour and Fragrance Journal, 6: 69.
Hyssopus officinalis	Flower	2.0	18.0		Flavour and Fragrance Journal, 6: 69.
Hyssopus officinalis	Essential Oil				--
Illicium verum	Fruit				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Juniperus virginiana	Leaf				--
Laurus nobilis	Leaf Essent. Oil				--
Limonia acidissima	Leaf		6570.0	-0.22674737475244294	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Malus domestica	Essential Oil				--
Ocimum basilicum	Shoot Essent. Oil				--
Ocimum basilicum	Leaf Essent. Oil	7500.0	900000.0	1.0365049414283074	--
Ocimum tenuiflorum	Plant				--
Ocimum gratissimum	Shoot		0.1	-0.9819112638081645	Vostrowsky, O., Garbe, W., Bestmann, H.J. and Maia, J.G.S. 1990. Essential Oil of Alfavaca, Ocimum gratissimum, from Brazilian Amazon. Zeitschr. Naturforschung 45(C): 1073-6.
Ocimum basilicum	Flower Essent. Oil				--
Ocimum basilicum	Essential Oil	300.0	872100.0	0.7157318089649249	--
Ocimum basilicum	Plant	35.0	9000.0	-0.6985578481954239	--
Ocimum basilicum	Leaf				--
Origanum vulgare	Plant	210.0	1400.0	-0.7156213996619503	--
Origanum majorana	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Perilla frutescens</i>	Essential Oil				Hoang Van Phiet, Hoang Thanh Huong. 1978. Chemical Composition of the Essential Oil of <i>Perilla ocymoides</i> L. Tap San Hoa Hoc 16(2): 24-28.
<i>Persea americana</i>	Bark				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<i>Persea americana</i>	Leaf	4750.0	29450.0	2.069394696712036	--
<i>Petroselinum crispum</i>	Leaf		1.6	-0.8859248040447191	--
<i>Pimenta racemosa</i>	Leaf	18.0	10745.0	0.19223833977396435	--
<i>Pimpinella anisum</i>	Essential Oil		815000.0	0.5522423148479244	--
<i>Pimpinella anisum</i>	Seed				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Pimpinella anisum</i>	Fruit				--
<i>Pimpinella anisum</i>	Seed Essent. Oil		40000.0	-1.2234041605170691	--
<i>Pinus sylvestris</i>	Leaf Essent. Oil				--
<i>Pinus sylvestris</i>	Resin, Exudate, Sap		106670.0		--
<i>Pinus sylvestris</i>	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<i>Piper betel</i>	Leaf	0.0	6130.0	-0.27090395304983655	--
<i>Tagetes lucida</i>	Leaf				Tramil
<i>Tagetes filifolia</i>	Leaf Essent. Oil		205000.0	-1.3514650065032079	Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of <i>Tagetes Minuta</i> L. and <i>T. filifolia</i> 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
Tagetes filifolia	Essential Oil	350000.0	612600.0	-0.02727210913247689	Abburraa, R. E., et al. 1990. Study of the Essential Oil of Tagetes filifolia (Asteraceae) as Potential Producer of Estragole and Anethole. An Asoc Quim Argent 78 3: 153-156. Fac Cience Exactas Fis Nat Univ Nac Cordoba Cordoba, Argentina.
Tagetes lucida	Shoot		2035.0	-0.39045670208324623	Bicchi, C., Fresia, M., Rubiolo, P., Monti, D., Franz, C., Goehler, I. 1997. Constituents of Tagetes lucida Cav. ssp. lucida essential oil. Flavor & Fragrance, 12(1): 47-52.
Tagetes filifolia	Plant	3000.0	950000.0	1.4141792478573747	Youngken Jr, H. W., Tashiro, J. T. 1970. Survey of Plants for Antimalarial Activity. U. S. Army Med. Res. Develop. Command Rept. (Dept. Pharmacognosy Coll. Pharm. Univ. Rhode Island Kingston RI 02881, USA.
Trifolium pratense	Root				--