

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**List of Plants for TRANS-ANETHOLE**

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Acorus calamus	Plant	--	--		--
Agastache foeniculum	Plant	--	20	-0.4561651650969948	Mazza, G. and Kiehn, F.A. 1992. Essential Oil of Agastache foeniculum, A Potential Source of Methyl Chavicol. J. Ess. Oil Res., 4: 295-299.
Anethum graveolens	Fruit	12	539	-0.9826483469276708	--
Anethum graveolens	Seed	12	539	-1.3057099249333581	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Angelica archangelica	Root	2	13		--
Apium graveolens	Plant	1	1	-0.45718340800114365	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Artemisia dracunculus	Shoot	100	10000	1	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cannabis sativa	Plant	--	--		Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
Cannabis sativa	Essential Oil	--	--		--
Coriandrum sativum	Fruit	1	2	-0.9957288082990997	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Elytrigia repens	Plant	--	35	-0.45536128912003515	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Elytrigia repens	Rhizome	--	34		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Foeniculum vulgare	Fruit	3030	72980	0.7818985845577789	--
Foeniculum vulgare	Plant	5550	5550	-0.1598028882578851	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Foeniculum vulgare	Seed	3030	72980	0.18238584132492566	--
Foeniculum vulgare	Seed Essent. Oil	500000	865200	1	Jim Duke's personal files.
Foeniculum vulgare	Leaf Essent. Oil	--	218000	-1.6963873654111667	Jim Duke's personal files.
Foeniculum vulgare	Flower Essent. Oil	--	412000		Jim Duke's personal files.
Foeniculum vulgare	Root Essent. Oil	--	16000		Jim Duke's personal files.
Foeniculum vulgare	Sprout Seedling	--	--		Jim Duke's personal files.
Foeniculum vulgare	Essential Oil	--	610800	0.7087163226799531	Jim Duke's personal files.
Illicium verum	Fruit	39000	45450	1.1964785706689915	--
Levisticum officinale	Root	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Myrrhis odorata	Leaf Essent. Oil	--	850000	0.776777144254018	--
Myrrhis odorata	Essential Oil	--	854800	1.4826457119294538	Hussain, R.A., et. al. 1990. Sweetening Agents of Plant Origin: Phenylpropanoid Constituents of Seven Sweet-Tasting Plants. Econ. Bot. 44 2: 174-182. Program Collab. Res. Pharm. Sci. Coll. Pharmacy Univ. Illinois at Chicago IL 60680, USA.
Myrtus communis	Shoot	0	5	-1	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum basilicum	Plant	11	74	-0.4532712115799402	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Ocimum basilicum	Essential Oil	--	7400	-1.2051729948329528	Hussain, R.A., et. al. 1990. Sweetening Agents of Plant Origin: Phenylpropanoid Constituents of Seven Sweet-Tasting Plants. Econ. Bot. 44 2: 174-182. Program Collab. Res. Pharm. Sci. Coll. Pharmacy Univ. Illinois at Chicago IL 60680, USA.
Ocimum basilicum	Shoot Essent. Oil	--	6300	-1	--
Ononis spinosa	Root	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Origanum majorana	Plant	8	43	-0.45493255526565674	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Origanum vulgare	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
Pimenta dioica	Plant	--	--		--
Pimpinella anisum	Plant	14000	54000	2.4367165173216563	--
Pimpinella anisum	Seed	14000	54000	1.1233240836084317	--
Pimpinella anisum	Leaf Essent. Oil	--	825000	0.6789462696628319	--
Pimpinella anisum	Essential Oil	98000	98000	-0.9178041314476871	--
Pimpinella anisum	Shoot Essent. Oil	--	875000	1	--
Pimpinella anisum	Seed Essent. Oil	--	752000	-1	--
Pycnanthemum clinopodioides	Shoot	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pycnanthemum pilosum</i>	Flower	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pilosum</i>	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pycnanthemoides</i>	Shoot	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Rosmarinus officinalis</i>	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Syzygium aromaticum</i>	Flower	--	--		--
<i>Syzygium aromaticum</i>	Fruit	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Tagetes filifolia</i>	Leaf Essent. Oil	--	713000	0.2406639514943178	Zygadlo, 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.
<i>Tagetes filifolia</i>	Essential Oil	--	365800	-0.0683849083287674	Hussain, R.A., et. al. 1990. Sweetening Agents of Plant Origin: Phenylpropanoid Constituents of Seven Sweet-Tasting Plants. Econ. Bot. 44 2: 174-182. Program Collab. Res. Pharm. Sci. Coll. Pharmacy Univ. Illinois at Chicago IL 60680, USA.