

C TRANS-ANETHOLE

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TRANSANETHOLE

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	Reference
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	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
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	--
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	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Pycnanthemum pilosum	Flower	--	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum pilosum	Leaf	--	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum pycnanthemoides	Shoot	--	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Rosmarinus officinalis	Plant	--	--	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Syzygium aromaticum	Flower	--	--	--	--
Syzygium aromaticum	Fruit	--	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Tagetes filifolia	Leaf Essent. Oil	--	713000	0.2406639514943178	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.
Tagetes filifolia	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.