

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Agastache foeniculum*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(Z)-BETA-OCIMENE	Plant	3	120	1.40748444462950056	
2	3-OCTANOL	Plant	3	35	-0.580438429077849	
0	3-OCTANONE	Plant	--	30	-0.4038877488888792	Mazza, G. and Kiehn, F.A. 1992. Essential Oil of <i>Agastache foeniculum</i> , A Potential Source of Methyl Chavicol. <i>J. Ess. Oil Res.</i> , 4: 295-299.
0	4-CADENEN-OL	Plant	--	5		Mazza, G. and Kiehn, F.A. 1992. Essential Oil of <i>Agastache foeniculum</i> , A Potential Source of Methyl Chavicol. <i>J. Ess. Oil Res.</i> , 4: 295-299.
16	ACACETIN	Inflorescence	--	--		Jim Duke's personal files.
16	ACACETIN	Leaf	--	--		Jim Duke's personal files.
28	ALPHA-PINENE	Plant	1	35	-0.4567063639993349	
7	ANISALDEHYDE	Plant	--	1		Mazza, G. and Kiehn, F.A. 1992. Essential Oil of <i>Agastache foeniculum</i> , A Potential Source of Methyl Chavicol. <i>J. Ess. Oil Res.</i> , 4: 295-299.
24	BENZALDEHYDE	Plant	1	135	0.05009904351318192	Mazza, G. and Kiehn, F.A. 1992. Essential Oil of <i>Agastache foeniculum</i> , A Potential Source of Methyl Chavicol. <i>J. Ess. Oil Res.</i> , 4: 295-299.
13	BETA-PINENE	Plant	2	25	-0.4084932537932118	
0	BETA-SABININE	Plant	1	125		
9	CAMPHENE	Plant	1	35	-0.5459540576133597	
31	CARYOPHYLLENE	Plant	8	100	-0.4439011295451728	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CIS-OCIMENE	Plant	3	35	-0.3890665139611692	
4	COSMOSIIN	Inflorescence	--	--		Jim Duke's personal files.
4	COSMOSIIN	Leaf	--	--		Jim Duke's personal files.
3	CYNAROSIDE	Leaf	--	--		Jim Duke's personal files.
3	CYNAROSIDE	Inflorescence	--	--		Jim Duke's personal files.
19	D-LIMONENE	Plant	--	--		Jim Duke's personal files.
0	DIMETHYL-HEXANAL	Plant	1	60		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.
0	DIOSMETIN-7-O-BETA-D-GLUCOSIDE	Leaf	--	--		Jim Duke's personal files.
0	DIOSMETIN-7-O-BETA-D-GLUCOSIDE	Inflorescence	--	--		Jim Duke's personal files.
0	EO	Plant	1000	12500	0.20984924567300284	
12	ESTRAGOLE	Essential Oil	820000	930000	0.8815118739276978	Jim Duke's personal files.
12	ESTRAGOLE	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	ETHYLDIMETHYLHEPTENE	Plant	1	75		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.
2	GERMACRENE-D	Plant	25	2525	1.7063511464872785	
60	LIMONENE	Plant	2	25	-0.47043922202338057	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LINALOL	Plant	--	15	-0.4288239366023661	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.
6	METHYL-CHAVICOL	Plant	555	12160	1.5482531212852728	
22	MYRCENE	Plant	--	30	-0.44314297648900247	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.
0	PARA-METHOXY CINNAMALDEHYDE	Plant	--	--		Jim Duke's personal files.
0	TILIANIN	Inflorescence	--	--		Jim Duke's personal files.
0	TILIANIN	Leaf	--	--		Jim Duke's personal files.
8	TRANS-ANETHOLE	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.
0	TRANS-OCIMENE	Plant	15	1150	2.912514752459382	