

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vitex agnus-castus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(E)-BETA-FARNESENE	Leaf		2.5	-0.455053136920818	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
0	(E)-BETA-FARNESENE	Flower				--
0	(E)-BETA-FARNESENE	Fruit				--
0	(E)-CARYOPHYLLENE	Leaf				--
0	(E)-CARYOPHYLLENE	Flower				--
0	(E)-CARYOPHYLLENE	Fruit				--
0	1,8-CINEOL	Fruit				Jim Duke's personal files.
0	1,8-CINEOL	Flower				Jim Duke's personal files.
0	1,8-CINEOL	Leaf				Jim Duke's personal files.
67	1,8-CINEOLE	Leaf		115.0	-0.5154325408020304	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
67	1,8-CINEOLE	Flower				--
67	1,8-CINEOLE	Fruit	600.0	4225.0	-0.1789556977792473	--
0	17-ALPHA-HYDROXYPROGESTERONE	Leaf				--
0	17-HYDROXYPROGESTERONE	Leaf				--
0	2-ALPHA-3-ALPHA-DIHYDROXYOLEAN-5,12-DIEN-28-OIC-ACID	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	2-ALPHA-3-BETA-DIACETOXY-18-HYDROXYOLEAN-5,12-DIEN-28-OIC-ACID	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2-BETA-3-ALPHA-DIACETOXYOLEAN-5,12-DIEN-28-OIC-ACID	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	3,3'-DIHYDROXY-5,6,7,4'-TETRAMETHOXY-FLAVON	Plant				--
3	3,4-DIHYDROXYBENZOIC-ACID	Plant				--
0	3-BETA-ACETOXYOLEAN-12-EN-27-OIC-ACID	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	5,4'-DIHYDROXY-3,6,7,3'-TETRAMETHOXYFLAVONE	Root Bark				--
0	5-HYDROXY-2-METHOXYBENZOIC-ACID	Plant				--
0	6'-O-(6,7-DIHYDROFOLIAMENTHOYL)MUSSAENOSIDIC-ACID	Shoot				--
0	6'-O-FOLIAMENTHOYLMUSSAENOSIDIC-ACID	Shoot				--
0	6'-O-P-HYDROXYBENZOYLMUSSAENOSIDIC-ACID	Shoot				--
0	6-BETA-7-BETA-DIACETOXY-13-HYDROXY-LABDA-8,14-DIEN	Fruit	200.0	1000.0		--
0	6-HYDROXYKAEMPFEROL-3,4',6,7-TETRAMETHYLETHER	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	6-HYDROXYKAEMPFEROL-3,4',6,7-TRIMETHYLETHER	Fruit				--
0	6-HYDROXYKAEMPFEROL-3,6,7-TRIMETHYLETHER	Fruit				--
0	7-O-TRANS-P-COUMAROYL-6'-O-TRANS-CAFFEYOYL-8-EPILOGANIC-ACID	Shoot				--
0	ABIETATRIENE	Fruit Essent. Oil		4400.0		Zwavina, J. H., Bos, R. 1996. Composition of the Essential Fruit Oil of Vitex agnus-castus. Planta Medic, 62(1): 83-84.
0	AGNOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	AGNUCASTOSIDE-A	Shoot				--
0	AGNUCASTOSIDE-B	Shoot				--
0	AGNUCASTOSIDE-C	Shoot				--
1	AGNUSIDE	Shoot				--
1	AGNUSIDE	Fruit				Jim Duke's personal files.
1	AGNUSIDE	Wood				Jim Duke's personal files.
1	AGNUSIDE	Leaf	3000.0	6000.0		--
0	ALLO-AROMADENDRENE	Flower				Jim Duke's personal files.
0	ALLO-AROMADENDRENE	Leaf		0.5	-0.20231788970530706	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
0	ALLO-AROMADENDRENE	Fruit				Jim Duke's personal files.
0	ALPHA-GURJUNENE	Flower				Jim Duke's personal files.
0	ALPHA-GURJUNENE	Leaf Essent. Oil		3900.0	-1.0	Jim Duke's personal files.
0	ALPHA-GURJUNENE	Leaf		0.2	-0.6230842706034109	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
28	ALPHA-PINENE	Flower				--
28	ALPHA-PINENE	Leaf Essent. Oil		43200.0	-0.5155006741091597	Jim Duke's personal files.
28	ALPHA-PINENE	Fruit Essent. Oil		6.6	-0.8488896734743719	Jim Duke's personal files.
28	ALPHA-PINENE	Leaf		21.0	-0.22318110789954515	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	ALPHA-PINENE	Fruit	21.0	4000.0	0.32553830914285703	--
23	ALPHA-TERPINEOL	Leaf		5.0	-0.581471880678652	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
23	ALPHA-TERPINEOL	Fruit				Jim Duke's personal files.
23	ALPHA-TERPINEOL	Flower				Jim Duke's personal files.
0	ALPHA-TERPINEOL ACETATE	Fruit				Jim Duke's personal files.
0	ALPHA-TERPINEOL ACETATE	Flower				Jim Duke's personal files.
0	ALPHA-TERPINEOL ACETATE	Leaf				Jim Duke's personal files.
0	ALPHA-TERPINYL-ACETATE	Leaf		1.8	-0.6353129419169833	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
0	ALPHA-TERPINYL-ACETATE	Flower				--
0	ALPHA-TERPINYL-ACETATE	Fruit				--
0	ALPHA-THUJENE	Flower				Jim Duke's personal files.
0	ALPHA-THUJENE	Leaf Essent. Oil		7900.0	-0.9602760805888906	Jim Duke's personal files.
0	ALPHA-THUJENE	Leaf		1.4	-0.604199084005542	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
0	ALPHA-THUJENE	Fruit				Jim Duke's personal files.
1	ANDROSTENEDIONE	Leaf				--
0	APIGENIN-3,8-DI-C-GLYCOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	ARTEMETIN	Root Bark				--
7	ARTEMETIN	Plant				--
15	ASCARIDOLE	Leaf		0.5	-1.376775510458338	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
20	AUCUBIN	Leaf	3000.0	4000.0	-0.1719118353444105	--
20	AUCUBIN	Fruit				--
20	AUCUBIN	Shoot				--
20	AUCUBIN	Wood				Jim Duke's personal files.
0	AUCUBOSIDE	Leaf				Jim Duke's personal files.
0	AUCUBOSIDE	Fruit				Jim Duke's personal files.
0	BETA-BOURBONENE	Leaf		0.2	-0.5650084487272009	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
0	BETA-CARYOPHYLLENE	Leaf		2.0	-0.33385020306025753	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
0	BETA-CARYOPHYLLENE	Fruit				Jim Duke's personal files.
0	BETA-CARYOPHYLLENE	Flower				Jim Duke's personal files.
0	BETA-CARYOPHYLLENE	Leaf Essent. Oil		63800.0	-0.025964429521824612	Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	BETA-PHELLANDRENE	Leaf		1.4	-0.4609858749166889	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
13	BETA-PINENE	Fruit Essent. Oil		8300.0	-0.6795252003227298	Jim Duke's personal files.
13	BETA-PINENE	Fruit	600.0	4000.0	-0.1696921851991317	--
13	BETA-PINENE	Flower				Jim Duke's personal files.
13	BETA-PINENE	Leaf Essent. Oil		9800.0	-0.5515280698255924	Jim Duke's personal files.
13	BETA-PINENE	Leaf		2.5	-0.42544218299211284	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
0	BICYCLOGERMACRENE	Flower				--
0	BICYCLOGERMACRENE	Fruit				--
0	BICYCLOGERMACRENE	Leaf				--
12	BORNYL-ACETATE	Leaf		0.2	-0.41004476181606825	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
12	BORNYL-ACETATE	Fruit	80.0	800.0	1.4141989490302305	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
9	CAMPHENE	Leaf	0.2	14.0	-0.18740106279745042	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
41	CAMPHOR	Fruit	80.0	800.0	0.6644584615595209	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
41	CAMPHOR	Flower				Jim Duke's personal files.
41	CAMPHOR	Leaf				Jim Duke's personal files.
8	CARYOPHYLENE-OXIDE	Fruit				Jim Duke's personal files.
8	CARYOPHYLENE-OXIDE	Flower				Jim Duke's personal files.
8	CARYOPHYLENE-OXIDE	Leaf Essent. Oil		11700.0	0.6121610007755034	Jim Duke's personal files.
8	CARYOPHYLENE-OXIDE	Leaf		1.6	-0.44958649282201407	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
6	CASTICIN	Fruit		1000.0		--
6	CASTICIN	Plant				--
6	CASTICIN	Seed		1000.0		Jim Duke's personal files.
6	CASTICIN	Shoot				--
6	CASTICIN	Leaf				Jim Duke's personal files.
0	CASTICINE	Seed				--
0	CASTINE	Fruit				--
0	CHRYSOPHANOL-D	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
3	CHRYSOSPENOL	Fruit				--
9	CHRYSOSPENOL-D	Fruit				--
0	CINEOL	Fruit Essent. Oil				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CINEOLE	Fruit				--
15	CITRONELLOL	Leaf		0.5	-0.47395127504006074	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
0	CUMINIC-ALDEHYDE	Leaf		0.2		Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
0	DELTA-3-KETOSTEROIDS	Leaf				--
0	DELTA-TERPINEOL	Leaf				Jim Duke's personal files.
0	DITERPENES	Fruit				--
0	EO	Leaf		230.0	-0.9943883538121621	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
0	EO	Fruit	4000.0	12000.0	-0.5867177602418251	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
0	EO	Flower	3000.0	7600.0	-0.1703017891517936	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
0	EPITESTOSTERONE	Flower				Jim Duke's personal files.



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	EPITESTOSTERONE	Leaf				--
8	EUPATORIN	Fruit				--
0	EUROSOSIDE	Leaf		700.0		--
0	FAT	Seed	38000.0	100000.0	-0.8711556020733713	--
0	FLAVONOIDS	Root Bark				--
0	GAMMA-CADINENE	Leaf		0.2	-0.4860568552720314	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
0	GAMMA-ELEMENE	Leaf		0.2	-0.9090417205790984	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
11	GAMMA-TERPINENE	Flower				Jim Duke's personal files.
11	GAMMA-TERPINENE	Leaf				Jim Duke's personal files.
11	GAMMA-TERPINENE	Fruit				Jim Duke's personal files.
2	GERMACRENE-D	Leaf		0.2	-0.5248914004803286	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
0	HOMOOREINTIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HOMOORIENTIN	Leaf				--
4	ISOORIENTIN	Shoot		70.0		Jim Duke's personal files.
4	ISOORIENTIN	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	ISORHAMNETIN	Root Bark				--
4	ISOVITEXIN	Leaf				--
0	ISOVITEXIN-XYLOSIDE	Leaf				--
75	KAEMPFEROL	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	LEDOL	Leaf Essent. Oil		5800.0	1.0	Jim Duke's personal files.
0	LEDOL	Leaf		0.5	-0.9430203471044566	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
0	LEDOL	Fruit				Jim Duke's personal files.
0	LEDOL	Flower				Jim Duke's personal files.
60	LIMONENE	Fruit	590.0	4000.0	-0.17653645241247798	--
60	LIMONENE	Flower				Jim Duke's personal files.
60	LIMONENE	Leaf Essent. Oil		112100.0	-0.18270097388120965	Jim Duke's personal files.
60	LIMONENE	Fruit Essent. Oil		1036500.0	1.4108415138660721	Jim Duke's personal files.
60	LIMONENE	Leaf		6.0	-0.44147221537054576	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
0	LINALOL	Leaf	0.5	16.0	-0.43312232047482413	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	LINALOOL	Leaf		0.5	-0.6470976105323109	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
27	LINOLEIC-ACID	Fruit				--
78	LUTEOLIN	Root Bark				--
0	LUTEOLIN-6-C-(2"-O-TRANS-CAFFEOYLGLUCOSIDE)	Root Bark				--
0	LUTEOLIN-6-C-(4"-METHYL-6"-O-TRANS-CAFFEOYLGLUCOSIDE)	Root Bark				--
0	LUTEOLIN-6-C-(6"-O-TRANS-CAFFEOYLGLUCOSIDE)	Root Bark				--
7	LUTEOLIN-7-GLUCOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	LUTEOLIN-7-O-(6"-P-BENZOYLGLUCOSIDE)	Root Bark				--
2	MANOOL	Flower				--
2	MANOOL	Fruit				--
2	MANOOL	Leaf				--
1	METHYL-3,4-DIHYDROXYBENZOATE	Plant				--
0	METHYL-4-HYDROXYBENZOATE	Plant				--
0	MUSSAENOSIDIC-ACID	Shoot				--
22	MYRCENE	Leaf		3.0	-0.17159298783816848	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
22	MYRCENE	Fruit				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
22	MYRCENE	Leaf Essent. Oil		18000.0	-0.2967145602434585	Jim Duke's personal files.
22	MYRCENE	Flower				Jim Duke's personal files.
0	MYZODENDRONE	Shoot				--
4	ORIENTIN	Shoot		70.0		--
4	ORIENTIN	Fruit				--
4	ORIENTIN	Leaf				Jim Duke's personal files.
0	ORTHOCYMOL	Leaf Essent. Oil				Jim Duke's personal files.
0	ORTHOCYMOL	Flower Essent. Oil				Jim Duke's personal files.
0	ORTHOCYNOL	Leaf				--
0	P-CYMEN-8-OL	Leaf		0.5	-0.8329880956974537	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
16	P-CYMENE	Leaf Essent. Oil		14400.0	-0.564710773279301	Jim Duke's personal files.
16	P-CYMENE	Leaf		10.0	-0.3918055201670966	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
16	P-CYMENE	Fruit				Jim Duke's personal files.
16	P-CYMENE	Flower				Jim Duke's personal files.
0	P-CYMOL	Fruit				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
0	P-HYDROXYBENZOIC-ACID	Plant				--
4	PENDULETIN	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PENDULETIN	Plant				--
12	PINENE	Fruit				--
0	PROGESTERONE	Leaf				--
0	PROTEIN	Seed	54000.0	81000.0	-1.3592001503550157	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PSEUDOINDICAN	Plant				--
8	QUERCETAGETIN	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	QUERCETAGETIN-3,6,7-TRIMETHYLETHER	Fruit				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
0	QUINONE	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ROTUNDIFURAN	Fruit	400.0	3000.0		--
0	RUBBER	Root		110.0	-0.9115981768054694	Jim Duke's personal files.
5	SABINENE	Leaf		25.0	-0.2452803744551132	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
5	SABINENE	Fruit	80.0	800.0	-0.2843328344160924	--
5	SABINENE	Flower				--
5	SABINENE	Leaf Essent. Oil		191600.0	2.583535625809881	Jim Duke's personal files.
0	SCLARENE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SPATHULENOL	Leaf		0.9	-0.7629459117652999	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
0	SPATHULENOL	Fruit				--
0	SPATHULENOL	Flower				--
0	SPATHULENOL	Leaf Essent. Oil		11600.0	1.3598761207800507	Jim Duke's personal files.
0	T-CADINOL	Leaf		2.5	-0.7272372511202277	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
0	T-CADINOL	Fruit				Jim Duke's personal files.
0	T-CADINOL	Flower				Jim Duke's personal files.
0	T-CADINOL	Leaf Essent. Oil		10700.0	1.0	Jim Duke's personal files.
23	TERPINEN-4-OL	Leaf		11.0	-0.3340416261032434	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119.
23	TERPINEN-4-OL	Leaf Essent. Oil		38200.0	-0.22503871744518758	Jim Duke's personal files.
11	TESTOSTERONE	Leaf				--
11	TESTOSTERONE	Flower				Jim Duke's personal files.
0	TETRAHYDROXYMONOME THOXYFLAVONE-BETA-D-GLUCOSIDE	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	TRANS-BETA-FARNESENE	Fruit				Jim Duke's personal files.
2	TRANS-BETA-FARNESENE	Flower				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	TRANS-BETA-FARNESENE	Leaf				Jim Duke's personal files.
24	VANILLIC-ACID	Plant				--
0	VITEAGNUSIN-A	Fruit				--
0	VITEAGNUSIN-B	Fruit				--
0	VITEAGNUSIN-C	Fruit				--
0	VITEAGNUSIN-D	Fruit				--
0	VITEAGNUSIN-E	Fruit				--
0	VITEAGNUSIN-F	Fruit				--
0	VITEAGNUSIN-G	Fruit				--
0	VITEAGNUSIN-H	Fruit				--
0	VITETRIFOLIN-B	Fruit				--
0	VITETRIFOLIN-C	Fruit				--
0	VITEXILACTONE	Fruit				--
18	VITEXIN	Fruit				--
0	VITICIN	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.