

Phytochemical

Vitex agnus-castus L. - Lamiaceae

Common names: Chaste-Tree

Activities

Number of distinct activities for species = 243

List of chemicals

Chemical	Part	Lo ppm	Hi ppm	Reference
(E)-BETA-FARNESENE	Leaf		2.5	JEO2:115
(E)-BETA-FARNESENE	Leaf	2.5	80	JEO2:115
1,8-CINEOL	Flower			AllHerb1998
1,8-CINEOL	Leaf			AllHerb1998
1,8-CINEOL	Fruit			AllHerb1998
1,8-CINEOLE	Fruit	1020	3175	LAF
1,8-CINEOLE	Leaf	115	3750	JEO2:115
1,8-CINEOLE	Leaf		115	JEO2:115
17-ALPHA-HYDROXYPROGESTERONE	Leaf			QRN'94:112 LAF AllHerb1998
17-HYDROXYPROGESTERONE	Leaf			QRN'94:112
2-ALPHA-3-ALPHA-DIHYDROXYOLEAN-5,12-DIEN-28-OIC-ACID	Leaf			LAF
2-ALPHA-3-BETA-DIACETOXY-18-HYDROXYOLEAN-5,12-DIEN-28-OIC-ACID	Leaf			LAF
2-BETA-3-ALPHA-DIACETOXYOLEAN-5,12-DIEN-28-OIC-ACID	Leaf			LAF
3-BETA-ACETOXYOLEAN-12-EN-27-OIC-ACID	Leaf			LAF
6-HYDROXYKAEMPFEROL-3,4',6,7-TRIMETHYLETHER	Fruit			AllHerb1998
6-HYDROXYKAEMPFEROL-3,6,7-TRIMETHYLETHER	Fruit			AllHerb1998
ABIETATRIENE	Fruit Essent. Oil		4400	PM62:83
AGNUSIDE	Fruit			AllHerb1998
AGNUSIDE	Leaf	3000	6000	HHB
AGNUSIDE	Wood			AllHerb1998
ALLO-AROMADENDRENE	Flower			AllHerb1998
ALLO-AROMADENDRENE	Fruit			AllHerb1998
ALLO-AROMADENDRENE	Leaf		0.5	JEO2:115 AllHerb1998
ALLO-AROMADENDRENE	Leaf		0.5	JEO2:115

<u>ALPHA-GURJUNENE</u>	Leaf Essent. Oil		3900	AllHerb1998
<u>ALPHA-GURJUNENE</u>	Leaf	0.2	7	JEO2:115
<u>ALPHA-GURJUNENE</u>	Flower			AllHerb1998
<u>ALPHA-GURJUNENE</u>	Leaf		0.2	JEO2:115
<u>ALPHA-PINENE</u>	Fruit Essent. Oil		6.6	AllHerb1998
<u>ALPHA-PINENE</u>	Leaf		21	JEO2:115
<u>ALPHA-PINENE</u>	Leaf	21	685	JEO2:115
<u>ALPHA-PINENE</u>	Fruit	800	2440	LAF
<u>ALPHA-PINENE</u>	Flower			AllHerb1998
<u>ALPHA-PINENE</u>	Leaf Essent. Oil		43200	AllHerb1998
<u>ALPHA-TERPINEOL</u>	Flower			AllHerb1998
<u>ALPHA-TERPINEOL</u>	Fruit			AllHerb1998
<u>ALPHA-TERPINEOL</u>	Leaf	5	165	JEO2:115
<u>ALPHA-TERPINEOL</u>	Leaf		5	JEO2:115
<u>ALPHA-TERPINEOL ACETATE</u>	Flower			AllHerb1998
<u>ALPHA-TERPINEOL ACETATE</u>	Fruit			AllHerb1998
<u>ALPHA-TERPINEOL ACETATE</u>	Leaf			AllHerb1998
<u>ALPHA-TERPINYL-ACETATE</u>	Leaf		1.8	JEO2:115
<u>ALPHA-TERPINYL-ACETATE</u>	Leaf	1.8	60	JEO2:115
<u>ALPHA-THUJENE</u>	Leaf Essent. Oil		7900	AllHerb1998
<u>ALPHA-THUJENE</u>	Flower			AllHerb1998
<u>ALPHA-THUJENE</u>	Leaf	1.4	45	JEO2:115
<u>ALPHA-THUJENE</u>	Leaf		1.4	JEO2:115
<u>ALPHA-THUJENE</u>	Fruit			AllHerb1998
<u>ANDROSTENEDIONE</u>	Leaf			LAF AllHerb1998
<u>ASCARIDOLE</u>	Leaf		0.5	JEO2:115
<u>ASCARIDOLE</u>	Leaf	0.5	15	JEO2:115
<u>AUCUBIN</u>	Fruit			AllHerb1998
<u>AUCUBIN</u>	Leaf	3000	4000	HHB AllHerb1998
<u>AUCUBIN</u>	Wood			AllHerb1998
<u>AUCUBOSIDE</u>	Fruit			AllHerb1998
<u>AUCUBOSIDE</u>	Leaf			AllHerb1998
<u>BETA-BOURBONENE</u>	Leaf		0.2	JEO2:115
<u>BETA-BOURBONENE</u>	Leaf	0.2	7	JEO2:115
<u>BETA-CARYOPHYLLENE</u>	Leaf Essent.		63800	AllHerb1998

	Oil			
<u>BETA-CARYOPHYLLENE</u>	Flower			AllHerb1998
<u>BETA-CARYOPHYLLENE</u>	Fruit			AllHerb1998
<u>BETA-CARYOPHYLLENE</u>	Leaf	2	70	JEO2:115
<u>BETA-CARYOPHYLLENE</u>	Leaf		2	JEO2:115
<u>BETA-PHELLANDRENE</u>	Leaf		1.4	JEO2:115
<u>BETA-PHELLANDRENE</u>	Leaf	1.4	45	JEO2:115
<u>BETA-PINENE</u>	Fruit Essent. Oil		8300	AllHerb1998
<u>BETA-PINENE</u>	Leaf	2.5	80	JEO2:115
<u>BETA-PINENE</u>	Leaf Essent. Oil		9800	AllHerb1998
<u>BETA-PINENE</u>	Fruit	800	2440	LAF
<u>BETA-PINENE</u>	Flower			AllHerb1998
<u>BETA-PINENE</u>	Leaf		2.5	JEO2:115
<u>BORNYL-ACETATE</u>	Leaf		0.2	JEO2:115
<u>BORNYL-ACETATE</u>	Leaf	0.2	7	JEO2:115
<u>CAMPHENE</u>	Leaf	0.2	7	JEO2:115
<u>CAMPHENE</u>	Leaf		0.2	JEO2:115
<u>CAMPHOR</u>	Flower			AllHerb1998
<u>CAMPHOR</u>	Leaf			AllHerb1998
<u>CAMPHOR</u>	Fruit			AllHerb1998
<u>CARYOPHYLLENE-OXIDE</u>	Leaf Essent. Oil		11700	AllHerb1998
<u>CARYOPHYLLENE-OXIDE</u>	Leaf	1.6	50	JEO2:115
<u>CARYOPHYLLENE-OXIDE</u>	Leaf		1.6	JEO2:115
<u>CARYOPHYLLENE-OXIDE</u>	Fruit			AllHerb1998
<u>CARYOPHYLLENE-OXIDE</u>	Flower			AllHerb1998
<u>CASTICIN</u>	Fruit		1000	HHB
<u>CASTICIN</u>	Leaf			AllHerb1998
<u>CASTICIN</u>	Seed		1000	AllHerb1998
<u>CASTICINE</u>	Seed			DUKE1992A
<u>CASTINE</u>	Fruit			KOE
<u>CHRYSOPHANOL-D</u>	Plant			CAN
<u>CHRYSOSPLENOL</u>	Fruit			DUKE1992A
<u>CHRYSOSPLENOL-D</u>	Fruit			LAF AllHerb1998
<u>CINEOL</u>	Fruit Essent. Oil			AllHerb1998
<u>CINEOLE</u>	Fruit			DUKE1992A
<u>CITRONELLOL</u>	Leaf		0.5	JEO2:115

<u>CITRONELLOL</u>	Leaf	0.5	16	JEO2:115
<u>CUMINIC-ALDEHYDE</u>	Leaf	0.2	7	JEO2:115
<u>CUMINIC-ALDEHYDE</u>	Leaf		0.2	JEO2:115
<u>DELTA-3-KETOSTEROIDS</u>	Leaf			QRN'94:112
<u>DELTA-TERPINEOL</u>	Leaf			AllHerb1998
<u>EO</u>	Fruit	4000	12000	JEO2:115
<u>EO</u>	Leaf		230	JEO2:115
<u>EO</u>	Leaf	230	7500	JEO2:115
<u>EO</u>	Fruit	4000	12000	JEO2:115
<u>EPITESTOSTERONE</u>	Flower			AllHerb1998
<u>EPITESTOSTERONE</u>	Leaf			QRN'94:112 LAF
<u>EUROSTOSIDE</u>	Leaf		700	AllHerb1998
<u>FAT</u>	Seed	38000	100000	CRC WOI
<u>GAMMA-CADINENE</u>	Leaf		0.2	JEO2:115
<u>GAMMA-CADINENE</u>	Leaf	0.2	7	JEO2:115
<u>GAMMA-ELEMENE</u>	Leaf	0.2	6	JEO2:115
<u>GAMMA-ELEMENE</u>	Leaf		0.2	JEO2:115
<u>GAMMA-TERPINENE</u>	Flower			AllHerb1998
<u>GAMMA-TERPINENE</u>	Fruit			AllHerb1998
<u>GAMMA-TERPINENE</u>	Leaf			AllHerb1998
<u>GERMACRENE-D</u>	Leaf		0.2	JEO2:115
<u>GERMACRENE-D</u>	Leaf	0.2	5	JEO2:115
<u>HOMOORIENTIN</u>	Leaf			HHB
<u>ISOORIENTIN</u>	Leaf			AllHerb1998
<u>ISOORIENTIN</u>	Shoot		70	AllHerb1998
<u>ISOVITEXIN</u>	Leaf			AllHerb1998
<u>ISOVITEXIN-XYLOSIDE</u>	Leaf			AllHerb1998
<u>KAEMPFEROL</u>	Plant			CAN
<u>LEDOL</u>	Leaf Essent. Oil		5800	AllHerb1998
<u>LEDOL</u>	Leaf	0.5	16	JEO2:115
<u>LEDOL</u>	Leaf		0.5	JEO2:115
<u>LEDOL</u>	Fruit			AllHerb1998
<u>LEDOL</u>	Flower			AllHerb1998
<u>LIMONENE</u>	Fruit Essent. Oil		1036500	AllHerb1998
<u>LIMONENE</u>	Leaf		6	JEO2:115
<u>LIMONENE</u>	Leaf Essent. Oil		112100	AllHerb1998
<u>LIMONENE</u>	Flower			AllHerb1998

<u>LIMONENE</u>	Fruit	590	1800	<u>LAF</u>
<u>LIMONENE</u>	Leaf	6	195	<u>JEO2:115</u>
<u>LINALOOL</u>	Leaf	0.5	16	<u>JEO2:115</u>
<u>LINALOOL</u>	Leaf		0.5	<u>JEO2:115</u>
<u>LUTEOLIN-7-GLUCOSIDE</u>	Leaf			<u>HHB</u>
<u>MYRCENE</u>	Leaf Essent. Oil		18000	<u>AllHerb1998</u>
<u>MYRCENE</u>	Flower			<u>AllHerb1998</u>
<u>MYRCENE</u>	Leaf	3	100	<u>JEO2:115</u>
<u>MYRCENE</u>	Leaf		3	<u>JEO2:115</u>
<u>MYRCENE</u>	Fruit			<u>AllHerb1998</u>
<u>ORIENTIN</u>	Leaf			<u>AllHerb1998</u>
<u>ORIENTIN</u>	Shoot		70	<u>DUKE1992A</u>
<u>ORTHO CYMOL</u>	Leaf Essent. Oil			<u>AllHerb1998</u>
<u>ORTHO CYMOL</u>	Flower Essent. Oil			<u>AllHerb1998</u>
<u>P-CYMEN-8-OL</u>	Leaf		0.5	<u>JEO2:115</u>
<u>P-CYMEN-8-OL</u>	Leaf	0.5	16	<u>JEO2:115</u>
<u>P-CYMENE</u>	Leaf Essent. Oil		14400	<u>AllHerb1998</u>
<u>P-CYMENE</u>	Leaf		10	<u>JEO2:115</u>
<u>P-CYMENE</u>	Fruit			<u>AllHerb1998</u>
<u>P-CYMENE</u>	Flower			<u>AllHerb1998</u>
<u>P-CYMENE</u>	Leaf	10	325	<u>JEO2:115</u>
<u>PENDULETIN</u>	Fruit			<u>LAF</u>
<u>PINENE</u>	Fruit			<u>DUKE1992A</u>
<u>PROGESTERONE</u>	Leaf			<u>QRN'94:112</u> <u>LAF</u> <u>AllHerb1998</u>
<u>PROTEIN</u>	Seed	54000	81000	<u>CRC</u>
<u>QUERCETAGETIN</u>	Plant			<u>CAN</u>
<u>QUINONE</u>	Leaf			<u>WOI</u>
<u>RUBBER</u>	Root		110	<u>AllHerb1998</u>
<u>SABINENE</u>	Leaf Essent. Oil		191600	<u>AllHerb1998</u>
<u>SABINENE</u>	Flower			<u>AllHerb1998</u>
<u>SABINENE</u>	Fruit			<u>AllHerb1998</u>
<u>SABINENE</u>	Leaf	25	815	<u>JEO2:115</u>
<u>SABINENE</u>	Leaf		25	<u>JEO2:115</u>
<u>SPATHULENOL</u>	Leaf		11600	<u>AllHerb1998</u>

	Essent. Oil			
<u>SPATHULENOL</u>	Flower			AllHerb1998
<u>SPATHULENOL</u>	Leaf		0.9	JEO2:115
<u>SPATHULENOL</u>	Leaf	0.9	29	JEO2:115
<u>SPATHULENOL</u>	Fruit			AllHerb1998
<u>T-CADINOL</u>	Leaf Essent. Oil		10700	AllHerb1998
<u>T-CADINOL</u>	Leaf		2.5	JEO2:115
<u>T-CADINOL</u>	Fruit			AllHerb1998
<u>T-CADINOL</u>	Leaf	2.5	80	JEO2:115
<u>T-CADINOL</u>	Flower			AllHerb1998
<u>TERPINEN-4-OL</u>	Leaf Essent. Oil		38200	AllHerb1998
<u>TERPINEN-4-OL</u>	Leaf		11	JEO2:115
<u>TERPINEN-4-OL</u>	Leaf	11	360	JEO2:115
<u>TESTOSTERONE</u>	Flower			AllHerb1998
<u>TESTOSTERONE</u>	Leaf			QRN'94:112 LAF
<u>TETRAHYDROXYMONOMETHOXYFLAVONE-BETA-D-GLUCOSIDE</u>	Leaf			WOI
<u>TRANS-BETA-FARNESENE</u>	Flower			AllHerb1998
<u>TRANS-BETA-FARNESENE</u>	Leaf			AllHerb1998
<u>TRANS-BETA-FARNESENE</u>	Fruit			AllHerb1998
<u>VITICIN</u>	Plant			CAN