

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Lavandula x hybrida*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	EO	Shoot	5500.0	7000.0	-0.30511831595928246	Tucker, A.O., Maciarello, M.J., Angell, S., Espaillet, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
67	1,8-CINEOLE	Shoot	1750.0	2465.0	-0.10024619444685824	Tucker, A.O., Maciarello, M.J., Angell, S., Espaillet, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
41	CAMPHOR	Shoot	660.0	890.0	-0.12383801659603667	Tucker, A.O., Maciarello, M.J., Angell, S., Espaillet, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
13	BETA-PINENE	Shoot	395.0	585.0	-0.08012230000372993	Tucker, A.O., Maciarello, M.J., Angell, S., Espaillet, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
0	LINALOL	Shoot	320.0	580.0	-0.11701647982108573	Tucker, A.O., Maciarello, M.J., Angell, S., Espaillet, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
28	ALPHA-PINENE	Shoot	300.0	455.0	-0.10207047278070712	Tucker, A.O., Maciarello, M.J., Angell, S., Espaillet, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	ALPHA-TERPINEOL	Shoot	200.0	300.0	0.023484559911644318	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
5	SABINENE	Shoot	155.0	235.0	-0.04570601687880284	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
60	LIMONENE	Shoot	110.0	200.0	-0.22662909242584933	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
22	MYRCENE	Shoot	70.0	105.0	-0.22249511854651358	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
2	TRANS-PINOCARVEOL	Shoot	55.0	90.0	-0.17215583882914187	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
5	MYRTENAL	Shoot	55.0	120.0	-0.157121794991633	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	CAMPHENE	Shoot	55.0	85.0	-0.1264339431418462	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
35	BORNEOL	Shoot	55.0	80.0	-0.3214337582419869	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
1	PINOCARVONE	Shoot	50.0	75.0	-0.5519316081775318	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
0	TRANS-SABINENE-HYDRATE	Shoot	47.0	75.0	-0.12962049585180913	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
23	TERPINEN-4-OL	Shoot	35.0	80.0	-0.13401911214797838	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
0	TRANS-ALPHA-BERGAMOTENE	Shoot	22.0	43.0	-0.1572422827250429	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(E)-BETA-OCIMENE	Shoot	22.0	48.0	-0.06850280017872502	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
0	1-OCTEN-3-OL	Shoot	20.0	31.0	-0.5072827109269522	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
0	BETA-CARYOPHYLLENE	Shoot	20.0	45.0	-0.3187408420425625	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
6	BETA-BISABOLENE	Shoot	20.0	42.0	-0.4752649708423605	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
2	GERMACRENE-D	Shoot	19.0	45.0	-0.3452637958418838	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
8	CARYOPHYLLENE-OXIDE	Shoot	14.0	25.0	-0.3444434720122974	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	GAMMA-TERPINENE	Shoot	12.0	21.0	-0.37982495674650346	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
9	TERPINOLENE	Shoot	10.0	17.0	-0.3148284975641494	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
1	HEXYL-BUTYRATE	Shoot	9.0	16.0		Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
16	P-CYMENE	Shoot	7.0	13.0	-0.49109719115395156	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
10	CUMINALDEHYDE	Shoot	5.0	8.0	-0.2797089142174924	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
13	ALPHA-TERPINENE	Shoot	1.0	9.0	-0.45599606593619596	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	LINALYL-ACETATE	Shoot	0.5	3.5	-0.3413788201583656	Tucker, A.O., Maciarello, M.J., Angell, S., Espaillet, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.