

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Glechoma hederacea*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	(+)-PULEGONE	Plant				--
0	(-)-PINOCARVONE	Plant				--
0	(10E,12Z)-9-OXO-10,12-OCTADECADIENOIC-ACID	Leaf				--
0	(10E,12Z,15Z)-9-OXO-10,12,15-OCTADECATRIENOIC-ACID	Leaf				--
0	(9S,10E,12Z)-9-HYDROXY-10,12-OCTADECADIENOIC-ACID	Leaf				--
0	(9S,10E,12Z,15Z)-9-HYDROXY-10,12,15-OCTADECATRIENOIC-ACID	Leaf				--
67	1,8-CINEOLE	Plant	6.0	37.0	-0.5512773271900201	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	1-OCTEN-3-OL	Plant	1.0	7.0	-0.43117484485288077	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	1-OCTEN-3-YL-ACETATE	Plant	1.0	2.0	-1.1641445076652783	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
1	2-ALPHA-HYDROXYURSOLIC-ACID	Plant		20.0		--
1	2-BETA-HYDROXYURSOLIC-ACID	Plant		600.0		--
2	3-OCTANOL	Plant	1.0	2.0	-0.6488601051507596	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	3-OCTANONE	Plant	3.0	16.0	-0.6358643020968509	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	9-HYDROXY-10-TRANS,12-CIS-OCTADECADIENOIC-ACID	Plant				--
10	ALPHA-AMYRIN	Plant				--
3	ALPHA-CADINOL	Plant	1.0	6.0	-0.9281735937749103	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
28	ALPHA-PINENE	Plant	4.0	22.0	-0.4659063062508129	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	ALPHA-TERPINEOL	Plant	1.0	7.0	-0.4750331426952505	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-URSOLIC-ACID	Plant				--
101	APIGENIN	Plant				Jim Duke's personal files.
0	APIGENIN-7-GLUCOSIDE	Plant				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.
2	ARSENIC	Plant				Chem. & Pharm. Bull. 38: 2205.
1	ASIATIC-ACID	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ASPARAGIC-ACID	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ASPARTIC-ACID	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
0	BARIUM	Plant	45.0	89.0	1.697811769953888	Chem. & Pharm. Bull. 38: 2205.
9	BETA-AMYRIN	Plant				--
0	BETA-BOURBONENE	Plant	1.0	6.0	-0.4787226141963027	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	BETA-ELEMENE	Plant	9.0	53.0	-0.2795003889825756	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
13	BETA-PINENE	Plant	3.0	17.0	-0.417131127819555	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
47	BETA-SITOSTEROL	Plant				Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
0	BETA-URSOLIC-ACID	Plant				--
35	BORNEOL	Plant	1.0	5.0	-0.6664178309874592	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
12	BORNYL-ACETATE	Plant	1.0	4.0	-0.4664432496568186	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	BROMINE	Plant	18.0	19.0	-0.5039992624483747	Chem. & Pharm. Bull. 38: 2205.
0	BULGARENE	Plant				--
102	CAFFEIC-ACID	Plant				--
28	CALCIUM	Plant	21000.0	23000.0	1.0066208154808067	Chem. & Pharm. Bull. 38: 2205.
9	CAMPHENE	Plant	1.0	3.0	-0.6006926315197634	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
7	CHLORINE	Plant	8000.0	11000.0	1.0564720140341104	Chem. & Pharm. Bull. 38: 2205.
77	CHLOROGENIC-ACID	Plant				Vademecum Garcia, A.A., et al. 1998. Fitoterapia Vademecum de Prescripcioon. Masson, S. A. Barcelona, Espana. 1148 pp.
20	CHOLINE	Plant				--
24	CHROMIUM	Plant	3.0	4.0	-0.49021456139793756	Chem. & Pharm. Bull. 38: 2205.
3	CIS-OCIMENE	Plant	9.0	55.0	-0.3228572549798686	--
12	COPPER	Plant		11.0	-0.33406963620245544	Chem. & Pharm. Bull. 38: 2205.
4	COSMOSIIN	Plant				--
0	CYMAROSIDE	Plant				--
3	CYNAROSIDE	Plant				--
0	DITERPENE-LACTONE	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.
2	ELEMOL	Plant	1.0	3.0	-0.6215774055927659	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	EO	Plant	100.0	600.0	-0.6945296531004636	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	EPSILON-BULGARENE	Plant	2.0	11.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	EPSILON-MUUROLENE	Plant	1.0	6.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
61	FERULIC-ACID	Plant				--
0	GAMMA-ELEMENE	Plant	1.0	7.0	-0.3941752823621468	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	GERMACRENE-B	Plant	14.0	83.0		--
2	GERMACRENE-D	Plant	20.0	116.0	-0.32380258707502446	--
0	GLECHOMAFURAN	Plant				--
0	GLECHOMANOLIDE	Plant				--
0	GLECHOMINE	Plant				Jim Duke's personal files.
8	GLUTAMIC-ACID	Plant				Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
30	HYPEROSIDE	Plant				--
12	IODINE	Plant				Chem. & Pharm. Bull. 38: 2205.
6	IRON	Plant	290.0	500.0	-0.14948506775500356	Chem. & Pharm. Bull. 38: 2205.
0	ISOFURANOGERMACRENE	Plant		1.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	ISOMENTHONE	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
4	ISOPINOCAMPHONE	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ISOQUERCITIN	Plant				--
22	ISOQUERCITRIN	Plant				--
0	L-MENTHONE	Plant				--
0	L-PINOCAMPHONE	Plant				--
1	L-PULEGONE	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LEAD	Plant				Chem. & Pharm. Bull. 38: 2205.
60	LIMONENE	Plant	1.0	6.0	-0.4821163747169735	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	LINALOL	Plant	1.0	4.0	-0.4313107276638502	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
78	LUTEOLIN	Plant				Jim Duke's personal files.
0	LUTEOLIN-7-DI-O-BETA-D-GLUCOSIDE	Plant				--
7	LUTEOLIN-7-GLUCOSIDE	Plant				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.
14	MANGANESE	Plant	82.0	100.0	0.021813677839542838	Chem. & Pharm. Bull. 38: 2205.
8	MARRUBIIN	Plant				--
63	MENTHOL	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
2	MOLYBDENUM	Plant				Chem. & Pharm. Bull. 38: 2205.
22	MYRCENE	Plant	3.0	20.0	-0.4541295384448474	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	MYRTENAL	Plant	1.0	1.0	-1.0	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	NICKEL	Plant				Chem. & Pharm. Bull. 38: 2205.
2	NONACOSANE	Plant				--
64	OLEANOLIC-ACID	Plant		360.0	-1.0986728439772253	--
25	P-COUMARIC-ACID	Plant				--
16	P-CYMENE	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
13	PALMITIC-ACID	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Plant	2100.0	3500.0	-0.04260284020040307	Chem. & Pharm. Bull. 38: 2205.
14	POTASSIUM	Plant	32000.0	46000.0	1.687880009035257	Chem. & Pharm. Bull. 38: 2205.
0	POTASSIUM-NITRATE	Plant				Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
0	PROLINE	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	RESIN	Plant				Jim Duke's personal files.
57	ROSMARINIC-ACID	Stem		1000.0	-0.3808773454382602	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.
57	ROSMARINIC-ACID	Leaf	14800.0	25000.0	2.329304484727468	--
0	RUBIDIUM	Plant	10.0	11.0	-1.0756540025325014	Chem. & Pharm. Bull. 38: 2205.
87	RUTIN	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	SABINENE	Plant	1.0	9.0	-0.4476544142890202	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	SALIGENIN	Plant				--
0	SAPONIN	Plant				Jim Duke's personal files.
0	SAPONOSIDES	Plant				Vademecum Garcia, A.A., et al. 1998. Fitoterapia Vademecum de Prescripcioon. Masson, S. A. Barcelona, Espana. 1148 pp.
9	SINAPIC-ACID	Plant				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	STRONTIUM	Plant	51.0	110.0	-0.27669640886357	Chem. & Pharm. Bull. 38: 2205.

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7	SUCCINIC-ACID	Plant				Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
14	SULFUR	Plant	3100.0	3400.0	-0.19502943224091188	Chem. & Pharm. Bull. 38: 2205.
35	TANNIN	Plant	30000.0	70000.0	-0.1990770770371384	--
23	TERPINEN-4-OL	Plant	1.0	8.0	-0.2780031828594647	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TITANIUM	Plant	24.0	50.0	-1.0186421933880052	Chem. & Pharm. Bull. 38: 2205.
8	TYROSINE	Plant				Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
89	URSOLIC-ACID	Plant		166.0	-0.787639221105655	Chemical Constituents of Oriental Herbs (3 diff. books)
3	VALINE	Plant				Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
77	ZINC	Plant	46.0	53.0	0.00844512955464756	Chem. & Pharm. Bull. 38: 2205.