

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Smilax spp

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	25S-SPIROSTAN-6-BETA-OL-3-O-BETA-D-GLUCOPYRANOSYL-(1->4)-(ALPHA-L-ARABINOPYRANOSYL-(1->6))-BETA-D-GLUCOPYRANOSIDE	Root				Bernardo, R. R., Pinto, A. V., Parente, J. P. 1996. Steroidal Saponins from Smilax officinalis. Phytochemistry, 43(2): 465-469.
5	ALUMINUM	Root	157.0	745.0	0.08725464107028212	--
112	ASCORBIC-ACID	Root				--
0	ASH	Root	13230.0	63000.0	-0.13017850342957962	--
53	BETA-CAROTENE	Root	8.0	36.0	-0.20622961094825273	--
47	BETA-SITOSTEROL	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	CALCIUM	Root	626.0	2980.0	-0.4843768813953443	--
0	CETYL-ALCOHOL	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
24	CHROMIUM	Root	0.4	1.7	-0.2211082365074478	--
2	COBALT	Root	3.0	14.2	-0.2369968765286966	--
0	DEGLUCOPARILLIN	Root				--
0	DESGLUCORHAMNOPARILLIN	Root				--
0	EO	Root		300.0	-0.640661544409053	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	EPSILON-SITOSTEROL	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FAT	Root	4410.0	21000.0	-0.06268933504030412	--
0	FIBER(CRUDE)	Root		100000.0	-0.33350960238524374	--
0	FIBER(DIETARY)	Root		380000.0	-0.20125931618604387	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FURASTANOL-GLYCOSIDES	Root				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.
7	GLUCOSE	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	GLYCYPHYLLIN	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
6	IRON	Root	19.0	91.0	-0.30944927073913947	--
65	MAGNESIUM	Root	351.0	1670.0	-0.4743957334649669	--
14	MANGANESE	Root	1.2	5.7	-0.47781006288724015	--
0	NEOTIGOGENIN-3-O-BETA-D-GLUCOPYRANOSYL-(1->4)-(ALPHA-L-AMBINOPYRANOSYL-(1->6)-BETA-D-GLUCOPYRANOSIDE	Root				Bernardo, R. R., Pinto, A. V., Parente, J. P. 1996. Steroidal Saponins from Smilax officinalis. Phytochemistry, 43(2): 465-469.
39	NIACIN	Root				--
0	PARIGENIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	PARILLIN	Root				--
4	PHOSPHORUS	Root	372.0	1770.0	-0.3070946978802241	--
0	POLLINASTANOL	Root				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
14	POTASSIUM	Root	2001.0	9530.0	-0.45755733882532496	--
0	PROTEIN	Root	14700.0	70000.0	-0.5436563102616278	--

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0	RESIN	Root		25000.0	-0.7518713706282815	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Root				--
0	SAPONIN	Root	5000.0	20000.0	0.19337292176916132	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SARSAPONIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	SARSAPARILLOSIDE	Root				--
1	SARSAPONIN	Root				--
0	SARSASAPOGENIN	Root				--
0	SARSASAPOGENIN-3-O-BETA-D-GLUCOPYRANOSYL-(1->4)-(ALPHA-L-AMBINOPYRANOSYL-(1->6))-BETA-D-GLUCOPYRANOSIDE	Root				Bernardo, R. R., Pinto, A. V., Parente, J. P. 1996. Steroidal Saponins from Smilax officinalis. Phytochemistry, 43(2): 465-469.
60	SELENIUM	Root	0.7	3.1	-0.14192942759211227	--
4	SILICON	Root	2.0	8.8	-0.30248027033110936	--
0	SITOSTEROL-D-GLUCOSIDE	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	SMILAGENIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SMILASAPONIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	SODIUM	Root	4.4	21.0	-0.5029945719162524	--

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0	SPIROSTANOLS	Root				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.
5	STARCH	Root	52500.0	250000.0	-0.2749885194147701	--
0	STEROID SAPONINS	Root	5000.0	30000.0		--
12	STIGMASTEROL	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	THIAMINE	Root	0.2	0.9	-0.6854497359326622	--
4	TIN	Root	4.0	18.0	0.15387660396896238	--
0	WATER	Root		790000.0	0.13584730298158998	--
77	ZINC	Root	0.5	2.6	-0.9450721489819633	--