

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Hydrangea arborescens*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
5	ALUMINUM	Root	77.0	221.0	-0.1939011464249492	--
112	ASCORBIC-ACID	Root				--
0	ASH	Root	18900.0	54000.0	-0.3871778963297542	--
53	BETA-CAROTENE	Root				--
28	CALCIUM	Root	2261.0	6460.0	-0.10325408809694175	--
24	CHROMIUM	Root	0.9	2.5	-0.06165886683144246	--
2	COBALT	Root	1.3	3.8	-0.4627294331957213	--
0	EO	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FAT	Root	7000.0	20000.0	-0.09603792277020924	--
0	FIBER(CRUDE)	Root		120000.0	0.2580364813561677	--
0	FIBER(DIETARY)	Root		380000.0	-0.20125931618604387	--
0	GUM	Root	31500.0	90000.0	-0.6755279625367215	--
0	HYDRANGIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Root	6.0	18.0	-0.41550297627696336	--
75	KAEMPFEROL	Root				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
4	LOGANIN	Shoot				Plouvier, V. 1987. Occurrence and distribution of syringoside, skimmin and similar coumarin glycosides and loganin in several botanical groups. C. R. Acad. Sci. Ser. III, 305(6): 183-186.
65	MAGNESIUM	Root	567.0	1620.0	-0.5010009675178397	--
14	MANGANESE	Root	7.0	18.7	-0.3225779619590914	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	NEOHYDRANGIN	Shoot				Plouvier, V. 1987. Occurrence and distribution of syringoside, skimmin and similar coumarin glycosides and loganin in several botanical groups. C. R. Acad. Sci. Ser. III, 305(6): 183-186.
39	NIACIN	Root	44.0	125.0	2.1667485756558618	--
4	PHOSPHORUS	Root	2450.0	7000.0	0.6118650125540502	--
14	POTASSIUM	Root	9034.0	25810.0	0.73452011339059	--
0	PROTEIN	Root	56700.0	162000.0	0.4894586911777774	--
176	QUERCETIN	Root				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	RESIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Root				--
87	RUTIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SAPONIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
60	SELENIUM	Root	0.6	1.6	-0.24863436856020282	--
4	SILICON	Root	8.0	22.3	-0.24046542681013774	--
0	SKIMMIN	Shoot				Plouvier, V. 1987. Occurrence and distribution of syringoside, skimmin and similar coumarin glycosides and loganin in several botanical groups. C. R. Acad. Sci. Ser. III, 305(6): 183-186.
1	SODIUM	Root				--

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5	STARCH	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	SUGARS	Root	21000.0	60000.0	-0.424742309250878	--
0	THIAMINE	Root				--
4	TIN	Root	4.0	11.0	-0.5576712458191766	--
22	UMBELLIFERONE	Shoot				Plouvier, V. 1987. Occurrence and distribution of syringoside, skimmin and similar coumarin glycosides and loganin in several botanical groups. C. R. Acad. Sci. Ser. III, 305(6): 183-186.
0	WATER	Root		650000.0	-0.7804888095818918	--
77	ZINC	Root				--