

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Hydrangea arborescens*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	WATER	Root		650000.0	-0.7804888095818918	--
0	FIBER(DIETARY)	Root		380000.0	-0.20125931618604387	--
0	PROTEIN	Root	56700.0	162000.0	0.4894586911777774	--
0	FIBER(CRUDE)	Root		120000.0	0.2580364813561677	--
0	GUM	Root	31500.0	90000.0	-0.6755279625367215	--
0	SUGARS	Root	21000.0	60000.0	-0.424742309250878	--
0	ASH	Root	18900.0	54000.0	-0.3871778963297542	--
14	POTASSIUM	Root	9034.0	25810.0	0.73452011339059	--
0	FAT	Root	7000.0	20000.0	-0.09603792277020924	--
4	PHOSPHORUS	Root	2450.0	7000.0	0.6118650125540502	--
28	CALCIUM	Root	2261.0	6460.0	-0.10325408809694175	--
65	MAGNESIUM	Root	567.0	1620.0	-0.5010009675178397	--
5	ALUMINUM	Root	77.0	221.0	-0.1939011464249492	--
39	NIACIN	Root	44.0	125.0	2.1667485756558618	--
4	SILICON	Root	8.0	22.3	-0.24046542681013774	--
14	MANGANESE	Root	7.0	18.7	-0.3225779619590914	--
6	IRON	Root	6.0	18.0	-0.41550297627696336	--
4	TIN	Root	4.0	11.0	-0.5576712458191766	--
2	COBALT	Root	1.3	3.8	-0.4627294331957213	--
24	CHROMIUM	Root	0.9	2.5	-0.06165886683144246	--
60	SELENIUM	Root	0.6	1.6	-0.24863436856020282	--
0	SAPONIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	UMBELLIFERONE	Shoot				Plouvier, V. 1987. Occurrence and distribution of syringoside, skimmidin and similar coumarin glycosides and loganin in several botanical groups. C. R. Acad. Sci. Ser. III, 305(6): 183-186.

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0	HYDRANGIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
87	RUTIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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	EO	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	RESIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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.
53	BETA-CAROTENE	Root				--
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	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.
112	ASCORBIC-ACID	Root				--

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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.
77	ZINC	Root				--
0	THIAMINE	Root				--
15	RIBOFLAVIN	Root				--
1	SODIUM	Root				--
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.