

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Hydrangea arborescens*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	ZINC	Root				--
0	WATER	Root		650000.0	-0.7804888095818918	--
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.
4	TIN	Root	4.0	11.0	-0.5576712458191766	--
0	THIAMINE	Root				--
0	SUGARS	Root	21000.0	60000.0	-0.424742309250878	--
5	STARCH	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	SODIUM	Root				--
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.
4	SILICON	Root	8.0	22.3	-0.24046542681013774	--
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.
87	RUTIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Root				--
0	RESIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	PROTEIN	Root	56700.0	162000.0	0.4894586911777774	--
14	POTASSIUM	Root	9034.0	25810.0	0.73452011339059	--
4	PHOSPHORUS	Root	2450.0	7000.0	0.6118650125540502	--
39	NIACIN	Root	44.0	125.0	2.1667485756558618	--
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.
14	MANGANESE	Root	7.0	18.7	-0.3225779619590914	--
65	MAGNESIUM	Root	567.0	1620.0	-0.5010009675178397	--
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.
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.
6	IRON	Root	6.0	18.0	-0.41550297627696336	--
0	HYDRANGIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GUM	Root	31500.0	90000.0	-0.6755279625367215	--
0	FIBER(DIETARY)	Root		380000.0	-0.20125931618604387	--
0	FIBER(CRUDE)	Root		120000.0	0.2580364813561677	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Root	7000.0	20000.0	-0.09603792277020924	--
0	EO	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	COBALT	Root	1.3	3.8	-0.4627294331957213	--
24	CHROMIUM	Root	0.9	2.5	-0.06165886683144246	--
28	CALCIUM	Root	2261.0	6460.0	-0.10325408809694175	--
53	BETA-CAROTENE	Root				--
0	ASH	Root	18900.0	54000.0	-0.3871778963297542	--
112	ASCORBIC-ACID	Root				--
5	ALUMINUM	Root	77.0	221.0	-0.1939011464249492	--