

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	ALUMINIUM	Root	77.0	221.0	-0.1939011464249492	--
112	ASCORBIC-ACID	Root				--
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	--
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	--
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	--
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.
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
60	SELENIUM	Root	0.6	1.6	-0.24863436856020282	--
4	SILICON	Root	8.0	22.3	-0.24046542681013774	--
1	SODIUM	Root				--
5	STARCH	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
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.
77	ZINC	Root				--