

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Petasites japonicus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Plant	2000.0	2100.0	1.7347317086076486	Chem. & Pharm. Bull. 38: 2205.
112	ASCORBIC-ACID	Pt	315.0	5725.0	1.657820760823633	USDA's Ag Handbook 8 and sequelae)
14	SULFUR	Plant	6500.0	7300.0	1.4633479486367877	Chem. & Pharm. Bull. 38: 2205.
14	POTASSIUM	Plant	35000.0	42000.0	1.408923511049804	Chem. & Pharm. Bull. 38: 2205.
15	FIBER	Pt	13000.0	236360.0	1.3807004629607251	USDA's Ag Handbook 8 and sequelae)
24	CHROMIUM	Plant	20.0	23.0	1.2808381056051297	Chem. & Pharm. Bull. 38: 2205.
7	CHLORINE	Plant	10000.0	11000.0	1.0564720140341104	Chem. & Pharm. Bull. 38: 2205.
65	MAGNESIUM	Pt	140.0	2545.0	1.0	USDA's Ag Handbook 8 and sequelae)
28	CALCIUM	Pt	1030.0	18725.0	0.7484589275751646	USDA's Ag Handbook 8 and sequelae)
12	COPPER	Plant	15.0	16.0	0.21963694313863044	Chem. & Pharm. Bull. 38: 2205.
77	ZINC	Plant	21.0	60.0	0.0774856047459278	Chem. & Pharm. Bull. 38: 2205.
28	CALCIUM	Plant	13000.0	14000.0	0.04392125722715171	Chem. & Pharm. Bull. 38: 2205.
14	MANGANESE	Plant	70.0	100.0	0.021813677839542838	Chem. & Pharm. Bull. 38: 2205.
19	INULIN	Root		170000.0	-0.5352651016442753	--
1	SODIUM	Pt	70.0	1270.0	-0.6795501299617708	USDA's Ag Handbook 8 and sequelae)
53	BETA-CAROTENE	Pt	0.03	0.5	-0.7935841132399388	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Plant	400.0	1800.0	-0.8595158871407913	Chem. & Pharm. Bull. 38: 2205.
4	PHOSPHORUS	Pt	120.0	2180.0	-1.0071283821276042	USDA's Ag Handbook 8 and sequelae)
15	RIBOFLAVIN	Pt	0.2	3.6	-1.0780530559396932	USDA's Ag Handbook 8 and sequelae)
6	IRON	Pt	1.0	18.0	-1.1482846693017026	USDA's Ag Handbook 8 and sequelae)
31	THIAMIN	Pt	0.2	3.6	-1.184737408199613	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Pt	6550.0	11900.0	-1.3989013675761495	USDA's Ag Handbook 8 and sequelae)
39	NIACIN	Pt	2.0	36.0	-1.4142135623730951	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	ISOPETASIN	Rhizome				--
5	CAPRYLIC-ACID	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
5	ISOPETASIN	Flower				--
1	CAPROIC-ACID	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
75	KAEMPFEROL	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
5	ISOPETASIN	Plant		160.0		--
1	PETASITENINE	Plant		97.0		--
2	BUTYRALDEHYDE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
12	IODINE	Plant				Chem. & Pharm. Bull. 38: 2205.
47	BETA-SITOSTEROL	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
24	PECTIN	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.
1	SENKIRKINE	Flower	1.0	2.0		--
3	NICKEL	Plant				Chem. & Pharm. Bull. 38: 2205.
1	PETASITENINE	Flower		56.0		--
5	BAKKENOLIDE-A	Bud				Chemical Constituents of Oriental Herbs (3 diff. books)
1	PETASITENINE	Shoot				--
1	SENKIRKINE	Shoot		1.0		Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	MUCILAGE	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.
1	PETASIN	Flower				--
1	SENKIRKINE	Rhizome		26.0		Chemical Constituents of Oriental Herbs (3 diff. books)
2	ARSENIC	Plant				Chem. & Pharm. Bull. 38: 2205.
2	MOLYBDENUM	Plant				Chem. & Pharm. Bull. 38: 2205.
23	MELATONIN	Shoot				Hattori, A., et. al. 1995. Identification of Melatonin in Plants and its Effects on Plasma Melatonin Levels and Binding to Melatonin Receptors in Vertebrates. Biochem. Mol. Biol. Int., 35(3): 627-634.
3	SENECIONINE	Plant				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.
1	ANGELIC-ACID	Bud				Chemical Constituents of Oriental Herbs (3 diff. books)