

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Petasites japonicus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	ANGELIC-ACID	Bud				Chemical Constituents of Oriental Herbs (3 diff. books)
2	ARSENIC	Plant				Chem. & Pharm. Bull. 38: 2205.
112	ASCORBIC-ACID	Pt	315.0	5725.0	1.657820760823633	USDA's Ag Handbook 8 and sequelae)
5	BAKKENOLIDE-A	Bud				Chemical Constituents of Oriental Herbs (3 diff. books)
53	BETA-CAROTENE	Pt	0.03	0.5	-0.7935841132399388	USDA's Ag Handbook 8 and sequelae)
47	BETA-SITOSTEROL	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	BUTYRALDEHYDE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	CALCIUM	Pt	1030.0	18725.0	0.7484589275751646	USDA's Ag Handbook 8 and sequelae)
28	CALCIUM	Plant	13000.0	14000.0	0.04392125722715171	Chem. & Pharm. Bull. 38: 2205.
1	CAPROIC-ACID	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
5	CAPRYLIC-ACID	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
7	CHLORINE	Plant	10000.0	11000.0	1.0564720140341104	Chem. & Pharm. Bull. 38: 2205.
24	CHROMIUM	Plant	20.0	23.0	1.2808381056051297	Chem. & Pharm. Bull. 38: 2205.
12	COPPER	Plant	15.0	16.0	0.21963694313863044	Chem. & Pharm. Bull. 38: 2205.
15	FIBER	Pt	13000.0	236360.0	1.3807004629607251	USDA's Ag Handbook 8 and sequelae)
19	INULIN	Root		170000.0	-0.5352651016442753	--
12	IODINE	Plant				Chem. & Pharm. Bull. 38: 2205.
6	IRON	Pt	1.0	18.0	-1.1482846693017026	USDA's Ag Handbook 8 and sequelae)
6	IRON	Plant	2000.0	2100.0	1.7347317086076486	Chem. & Pharm. Bull. 38: 2205.
5	ISOPETASIN	Flower				--
5	ISOPETASIN	Plant		160.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	ISOPETASIN	Rhizome				--
75	KAEMPFEROL	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
65	MAGNESIUM	Pt	140.0	2545.0	1.0	USDA's Ag Handbook 8 and sequelae)
14	MANGANESE	Plant	70.0	100.0	0.021813677839542838	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.
2	MOLYBDENUM	Plant				Chem. & Pharm. Bull. 38: 2205.
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.
39	NIACIN	Pt	2.0	36.0	-1.4142135623730951	USDA's Ag Handbook 8 and sequelae)
3	NICKEL	Plant				Chem. & Pharm. Bull. 38: 2205.
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	PETASIN	Flower				--
1	PETASITENINE	Plant		97.0		--
1	PETASITENINE	Flower		56.0		--
1	PETASITENINE	Shoot				--
4	PHOSPHORUS	Pt	120.0	2180.0	-1.0071283821276042	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Plant	400.0	1800.0	-0.8595158871407913	Chem. & Pharm. Bull. 38: 2205.
14	POTASSIUM	Pt	6550.0	11900.0	-1.3989013675761495	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	POTASSIUM	Plant	35000.0	42000.0	1.408923511049804	Chem. & Pharm. Bull. 38: 2205.
15	RIBOFLAVIN	Pt	0.2	3.6	-1.0780530559396932	USDA's Ag Handbook 8 and sequelae)
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	SENKIRKINE	Flower	1.0	2.0		--
1	SENKIRKINE	Shoot		1.0		Chemical Constituents of Oriental Herbs (3 diff. books)
1	SENKIRKINE	Rhizome		26.0		Chemical Constituents of Oriental Herbs (3 diff. books)
1	SODIUM	Pt	70.0	1270.0	-0.6795501299617708	USDA's Ag Handbook 8 and sequelae)
14	SULFUR	Plant	6500.0	7300.0	1.4633479486367877	Chem. & Pharm. Bull. 38: 2205.
31	THIAMIN	Pt	0.2	3.6	-1.184737408199613	USDA's Ag Handbook 8 and sequelae)
77	ZINC	Plant	21.0	60.0	0.0774856047459278	Chem. & Pharm. Bull. 38: 2205.