

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Petasites japonicus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	ZINC	Plant	21.0	60.0	0.0774856047459278	Chem. & Pharm. Bull. 38: 2205.
0	WATER	Pt		945000.0	-1.0	USDA's Ag Handbook 8 and sequelae)
0	URIDINE	Rhizome		0.8	-0.9999999999999998	--
0	TITANIUM	Plant	170.0	200.0	0.4093608814549928	Chem. & Pharm. Bull. 38: 2205.
31	THIAMIN	Pt	0.2	3.6	-1.184737408199613	USDA's Ag Handbook 8 and sequelae)
14	SULFUR	Plant	6500.0	7300.0	1.4633479486367877	Chem. & Pharm. Bull. 38: 2205.
0	STRONTIUM	Plant	36.0	160.0	0.05749817880907902	Chem. & Pharm. Bull. 38: 2205.
1	SODIUM	Pt	70.0	1270.0	-0.6795501299617708	USDA's Ag Handbook 8 and sequelae)
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	SENKIRKINE	Flower	1.0	2.0		--
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.
0	SECO-EREMOPETITOLIDE-A	Rhizome		0.9		--
0	SECO-EREMOPETASITOLIDE-B	Rhizome		1.3		--
0	S-PETASIN	Flower				--
0	S-JAPONIN	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	S-ISOPETASIN	Flower				--
0	S-FURANOPETASITIN	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
0	S-FUKINOLIDE	Plant				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
0	RUBIDIUM	Plant	18.0	26.0	0.20941936332491162	Chem. & Pharm. Bull. 38: 2205.
15	RIBOFLAVIN	Pt	0.2	3.6	-1.0780530559396932	USDA's Ag Handbook 8 and sequelae)
0	PROTEIN	Pt	3900.0	70900.0	-1.0944382007205662	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Plant	35000.0	42000.0	1.408923511049804	Chem. & Pharm. Bull. 38: 2205.
14	POTASSIUM	Pt	6550.0	11900.0	-1.3989013675761495	USDA's Ag Handbook 8 and sequelae)
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.
0	PETASOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	PETASITININE	Shoot				Chemical Constituents of Oriental Herbs (3 diff. books)
0	PETASITIN	Pt				Chemical Constituents of Oriental Herbs (3 diff. books)
0	PETASITIN	Flower		190.0		--
1	PETASITENINE	Plant		97.0		--
1	PETASITENINE	Flower		56.0		--
1	PETASITENINE	Shoot				--
0	PETASITALONE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	PETASIPHENONE	Rhizome		6.0		--
0	PETASIPHENOL	Rhizome		3.6		--
0	PETASINOSIDE	Plant		5.0		--
0	PETASINOLIDES	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.
0	PETASININE	Plant		8.0		--
1	PETASIN	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PETASALBIN-METHYL-ETHER	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
0	PETASALBIN	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
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.
3	NICKEL	Plant				Chem. & Pharm. Bull. 38: 2205.
39	NIACIN	Pt	2.0	36.0	-1.4142135623730951	USDA's Ag Handbook 8 and sequelae)
0	NEOPETASITININE	Shoot				Chemical Constituents of Oriental Herbs (3 diff. books)
0	NEOPETASITENINE	Plant				--
0	NEOPETASITENINE	Flower		60.0		--
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.
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.
14	MANGANESE	Plant	70.0	100.0	0.021813677839542838	Chem. & Pharm. Bull. 38: 2205.
65	MAGNESIUM	Pt	140.0	2545.0	1.0	USDA's Ag Handbook 8 and sequelae)
0	LIGULARONE	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
0	LEAD	Plant				Chem. & Pharm. Bull. 38: 2205.
0	KILOCALORIES	Pt	140.0	2545.0		USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
75	KAEMPFEROL	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ISOPETASOSIDE	Flower		32.0		--
5	ISOPETASIN	Rhizome				--
5	ISOPETASIN	Flower				--
5	ISOPETASIN	Plant		160.0		--
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.
12	IODINE	Plant				Chem. & Pharm. Bull. 38: 2205.
19	INULIN	Root		170000.0	-0.5352651016442753	--
0	INTEGERRIME	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.
0	FUROEREMOPHILONE	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.
0	FURINOTOXIN	Shoot				Chemical Constituents of Oriental Herbs (3 diff. books)
0	FURANOJAPONIN	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
0	FURANOFUKINOL	Rhizome				--
0	FUKINOTOXIN	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	FUKINONE	Plant				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
0	FUKINOLIDE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FUKINOLIDE	Flower				--
0	FUKINANOLIDE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FUKINANOLIDE	Flower				--
0	FUKIIC-ACID	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
15	FIBER	Pt	13000.0	236360.0	1.3807004629607251	USDA's Ag Handbook 8 and sequelae)
0	FAT	Pt	400.0	7270.0	-1.0	USDA's Ag Handbook 8 and sequelae)
0	EREMOSULPHOXINOLIDE-B	Rhizome		1.5		--
0	EREMOSULPHOXINOLIDE-A	Rhizome		1.2		--
0	EREMOPHILINE	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
0	EREMOPETASITENIN-B-2	Rhizome		5.0		--
0	EREMOPETASITENIN-B-1	Rhizome		5.0		--
0	EREMOPETASITENIN-A-2	Rhizome		14.0		--
0	EREMOPETASITENIN-A-1	Rhizome		16.0		--
0	EREMOPETASINORONE-B	Rhizome		0.3		--
0	EREMOPETASINORONE-A	Rhizome		1.06		--
0	EREMOPETASINOROL	Rhizome		3.6		--
0	EREMOPETASIDIONE	Rhizome		1.7		--
0	EREMOFUKINONE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	EPOXYEREMOPETASINOROL	Rhizome		0.3		--
12	COPPER	Plant	15.0	16.0	0.21963694313863044	Chem. & Pharm. Bull. 38: 2205.
24	CHROMIUM	Plant	20.0	23.0	1.2808381056051297	Chem. & Pharm. Bull. 38: 2205.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	CHLORINE	Plant	10000.0	11000.0	1.0564720140341104	Chem. & Pharm. Bull. 38: 2205.
0	CARBOHYDRATES	Pt	19000.0	656360.0	-0.9732767393540686	--
5	CAPRYLIC-ACID	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
1	CAPROIC-ACID	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
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.
2	BUTYRALDEHYDE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	BROMINE	Plant	18.0	40.0	-0.002388622096911931	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.
53	BETA-CAROTENE	Pt	0.03	0.5	-0.7935841132399388	USDA's Ag Handbook 8 and sequelae)
0	BARIUM	Plant	40.0	50.0	-0.03959910833711677	Chem. & Pharm. Bull. 38: 2205.
0	BAKKENOLIDE-D	Bud				Chemical Constituents of Oriental Herbs (3 diff. books)
0	BAKKENOLIDE-C	Bud				Chemical Constituents of Oriental Herbs (3 diff. books)
0	BAKKENOLIDE-B	Bud				Chemical Constituents of Oriental Herbs (3 diff. books)
0	BAKKENOLIDE-B	Rhizome				--
5	BAKKENOLIDE-A	Bud				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ASH	Pt	14600.0	26545.0	-1.3494322568823325	USDA's Ag Handbook 8 and sequelae)
112	ASCORBIC-ACID	Pt	315.0	5725.0	1.657820760823633	USDA's Ag Handbook 8 and sequelae)
2	ARSENIC	Plant				Chem. & Pharm. Bull. 38: 2205.
1	ANGELIC-ACID	Bud				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ALPHA-SANTALENE	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALBOPETASIN	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
0	9-ACETOXYFUKINANOLIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	8-BETA-HYDROXY-3-OXOEREMOPHIL-7(11)-EN-12,8-BETA-OLIDE	Rhizome		0.4		--
0	6-HYDROXYEREMOPHILENO LIDE	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
0	6-BETA-EPOXY-ANGELOYL-OXY-3-BETA-HYDROXYEREMOPHIL-7(11)-EN-12,8-BETA-OLIDE	Rhizome		0.2		--
0	6-BETA-ANGELOYL-OXY-8-BETA-HYDROXY-3-OXOEREMOPHIL-7(11)-EN-12,8-ALPHA-OLIDE	Rhizome		1.7		--
0	6-BETA-ANGELOYL-OXY-3-BETA-9-BETA-DIHYDROXYEREMOPHIL-7(11)-EN-12,8-BETA-OLIDE	Rhizome		2.0		--
0	6-BETA-ANGELOYL-OXY-3-BETA-9-ALPHA-DIHYDROXYEREMOPHIL-7(11)-EN-12,8-BETA-OLIDE	Rhizome		4.0		--
0	6-BETA-ANGELOYL-OXY-3-BETA-8-DIHYDROXYEREMOPHILEN OLIDE	Rhizome		50.0		--
0	6-BETA-ANGELOYL-OXY-3-BETA-8-BETA-9-BETA-TRIHYDROXYEREMOPHIL-7(11)-EN-12,8-BETA-OLIDE	Rhizome		1.2		--
0	6-BETA-ANGELOYL-OXY-3-BETA-8-ALPHA-DIHYDROXYEREMOPHILEN OLIDE	Rhizome		50.0		--
0	6-BETA-ANGELOYL-OXY-3-BETA-15-EPOXY-9-BETA-15(R)-DIHYDROXYEREMOPHIL-7(11)-EN-12,8-ALPHA-OLIDE	Rhizome		0.2		--
0	6-BETA-8-BETA-DIHYDROXYEREMOPHIL-7(11)-EN-12,8-ALPHA-OLIDE	Rhizome		1.8		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	6-BETA-(3'-CHLORO-2'-HYDROXY-2'-METHYL-BUTYROYL-OXY)-3-BETA-8-BETA-DIHYDROXYEREMOPHIL-7(11)-EN-12,8-ALPHA-OLIDE	Rhizome		0.9		--
0	6-ANGELYLFURANOFUKINOL	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
0	6-ACETYLFURANOFUKINOL	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
0	3-BETA-HYDROXY-EREMOPHIL-7(11)-EN-12,8-BETA-OLIDE	Rhizome		0.9		--
0	3-BETA-HYDROXY-6-BETA-TIGLOYL-OXYEREMOPHIL-7(11)-EN-8-BETA-12-OLIDE	Rhizome		7.3		--
0	3-BETA-HYDROXY-6-BETA-METHOXYEREMOPHIL-7(11)-EN-12,8-BETA-OLIDE	Rhizome	0.8	3.0		--
0	3-BETA-HYDROXY-6-BETA-8-ALPHA-DIMETHOXYEREMOPHIL-7(11)-EN-12,8-BETA-OLIDE	Rhizome		683.0		--
0	3-BETA-HYDROXY-6-ALPHA-METHOXYEREMOPHIL-7(11)-EN-12,8-BETA-OLIDE	Rhizome		0.8		--
0	3-BETA-8-BETA-DIHYDROXY-6-BETA-TIGLOYL-OXYEREMOPHIL-7(11)-EN-12,8-BETA-OLIDE	Rhizome		2.8		--
0	3-BETA-8-ALPHA-DIHYDROXY-6-BETA-TIGLOYL-OXYEREMOPHIL-7(11)-EN-12,8-BETA-OLIDE	Rhizome		2.8		--
0	3-BETA-8-ALPHA-DIHYDROXY-6-BETA-METHOXYEREMOPHIL-7(11)-EN-8-BETA-12-OLIDE	Rhizome		3.5		--
0	3-BETA-6-BETA-DIHYDROXYEREMOPHIL-7(11)-EN-12,8-ALPHA-OLIDE	Rhizome		0.7		--
0	2-BETA-HYDROXYEREMOPHIL-7(11)-EN-8-BETA-12-OLIDE	Rhizome		0.6		--