

P **Paeonia lactiflora**

Common Name(s)

Bai Shao (Chinese), Chih-Shao, Common Garden Peony, Peony, White Peony

How Used

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Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(Z)-1S,5R-ALPHA-PINEN-10-YL-ALPHA-VICIANOSIDE	Plant	--	--	J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
3	1,2,3,4,6-PENTA-O-GALLOYL-GLUCOSE	Root	--	--	Economic & Medicinal Plant Research, 1: 53.
0	13-METHYLMYRISTIC-ACID	Flower	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ALBIFLORIN	Root	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
2	ARSENIC	Root	0.12	0.12	-0.2023884851751127 Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
7	ASTRAGALIN	Plant	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
20	BENZOIC-ACID	Root	11000	11000	1.0000000000000002 Chemical Constituents of Oriental Herbs (3 diff. books)

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	BENZOYLPAEONIFLORIN	Root	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
0	BETA-GLUCOGALLIN	Flower	--	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
47	BETA-SITOSTEROL	Flower	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	BETA-SITOSTEROL-ALPHA-GLUCOSIDE	Flower	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
28	CALCIUM	Root	10300	40600	3.635691935813249
0	CIS-9,12-OCTADECADIENOIC-ACID	Root	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
12	COPPER	Root	3	6	-0.6332899539444546
5	DAUCOSTEROL	Root	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	DECAGALLOYL-GLUCOSE	Root	--	--	Economic & Medicinal Plant Research, 1: 53.
0	EO	Root	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
62	GALLIC-ACID	Root	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	GALLOYL-TANNINS	Root	20000	40000		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GLUCOGALLIN	Flower	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	GLUCOSE	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	HEDERAGENIN	Root	--	--		Economic & Medicinal Plant Research, 1: 53.
0	HEPTAGALLOYL-GLUCOSE	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HEXAGALLOYL-GLUCOSE	Flower	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Root	40	47	-0.3733720521591977	
75	KAEMPFEROL	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	KAEMPFEROL-3,7-DIGLUCOSIDE	Flower	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	LACTIFLORIC-ACID	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	LACTIFLORIN	Root	--	--		

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0	LACTIFLORIN	Plant	--	--	
27	LINOLEIC-ACID	Root	--	--	Economic & Medicinal Plant Research, 1: 53.
65	MAGNESIUM	Root	580	990	-0.836226916584038
14	MANGANESE	Root	14	20	-0.3070547518662765
0	MESO-INOSITOL	Bud	--	--	
0	MESO-INOSITOL	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
16	METHYL-GALLATE	Root	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	MYO-INOSITOL	Root	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	NONAGALLOYL-GLUCOSE	Root	--	--	Economic & Medicinal Plant Research, 1: 53.
0	OCTAGALLOYL-GLUCOSE	Root	--	--	Economic & Medicinal Plant Research, 1: 53.
0	OXYPAEONIFLORIN	Root	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
0	PAENOL	Root	--	--	
0	PAEONIDIN	Flower	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
1	PAEONIFLORIGENONE	Root	400	400	Chemical Constituents of Oriental Herbs (3 diff. books)

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
20	PAEONIFLORIN	Root	1900	5000	
0	PAEONIFLORIQUNONE	Plant	--	--	J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	PAEONIN	Root	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
20	PAEONOL	Root	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
1	PAEONOLIDE	Root	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	PAEONOSIDE	Root	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
13	PALMITIC-ACID	Root	--	--	Economic & Medicinal Plant Research, 1: 53.
0	PENTACOSAN	Flower	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	PENTAGALLOYL-GLUCOSE	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.
14	POTASSIUM	Root	5000	7860	-0.5798404681373998
176	QUERCETIN	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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6	QUERCIMERITRIN	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	SODIUM	Root	196	286	-0.3796065969858577
14	SUCROSE	Bud	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	TANNIN	Root	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
77	ZINC	Root	15	24	-0.007801464517301675