

List of Plants

BERBERINE

Chemid

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Dosage

LD50=100 mg/kg

LD50=13.2 mg/kg (scu mus) Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.

LD50=26.4 mg/kg (ipr mus) Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.

LD50=329 (orl mus)

LD50=10-20 (ivn dog)

LD50=24 mg/kg (ipr mus)

LD50=8.2 mg/kg (ivn mus) Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.

LD50=27.5 mg/kg man

LD50=>1,000 mg/kg (orl rat)

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	*Reference
Adonis vernalis	Plant	--	--		*
Andira inermis	Bark	--	--		*
Argemone mexicana	Plant	--	410.0		*
Berberis vulgaris	Leaf	--	3000.0	1.0	Jim Duke's personal files.
Berberis vulgaris	Stem Bark	20000.0	25000.0	1.0	Jim Duke's personal files.
Berberis vulgaris	Root	4000.0	64800.0	1.07	*
Berberis vulgaris	Plant	--	--		Jim Duke's personal files.
Berberis vulgaris	Stem	1600.0	28900.0		Jim Duke's personal files.
Berberis vulgaris	Root Bark	25000.0	80000.0		*
Berberis vulgaris	Flower	--	6600.0		Jim Duke's personal files.
Berberis vulgaris	Bark	--	45000.0	1.0	Jim Duke's personal files.
Caulophyllum thalictroides	Plant	--	--		Jim Duke's personal files.
Chelidonium majus	Plant	--	--		*
Coptis japonica	Rhizome	40000.0	70000.0	-0.3	*
Coptis chinensis	Rhizome	40000.0	90000.0	0.9	*

Coptis spp	Rhizome	40000.0	90000.0	0.9	*
Corydalis spp	Plant	--	--		*
Eschscholzia californica	Shoot	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Hydrastis canadensis	Plant	--	--		*
Hydrastis canadensis	Shoot	--	--		*
Hydrastis canadensis	Root	1385.0	60000.0	0.9	*
Hydrastis canadensis	Rhizome	--	50000.0	-1.51	*
Macleaya cordata	Plant	--	--		*
Mahonia aquifolium	Shoot	--	--		*
Mahonia aquifolium	Root	--	--		*
Mahonia repens	Stem	--	--		Suess, T. R. and Stermitz, F. R. 1981. The Constituents of Castilleja rhexifolia, Mahonia repens and Oncidium cebolleta. Dissertation Abstract Int B, 42: 1025-1026.
Mahonia nervosa	Rhizome	--	--		Willaman, J. J., Li, H. L. 1970. Alkaloid-Bearing Plants and their Contained Alkaloids, 1957-1968. Lloydia, 33: 1-286.
Mahonia gracilipes	Root	--	--		Lu, G. H., Chen, J. M., Wang, L. W., Xiao, P. G. 1995. Chemical Constituents of Mahonia gracilipes (Oliv.) Fedde. Huaxi Yaoxue Zazhi, 10(4): 202-204.
Mahonia repens	Root	--	1417.0	-1.19	*
Mahonia fargesii	Stem	--	--		Liu, M. I., Feng, H. L. 1991. The Alkaloids Content of the Different Parts in Dayecihuangbai (Mahonia fargesii) by HPLC. Chung Ts'ao Yao, 22(7): 308-309.
Mahonia aquifolium	Leaf	--	13.0	-1.0	Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
Mahonia aquifolium	Bark	--	--		*
Mahonia siamensis	Stem Bark	--	2000.0	-1.0	Ruangrungsi, N., De-Eknamkul, W., Lange, G. L. 1984. Studies on Thai Medicinal Plant. Part I. Planta Medica, 50(5): 432-433.
Mahonia japonica	Sprout Seedling	--	--		Ikuta, A. and Itokawa, H. 1982. Studies on the Alkaloids from Tissue Culture of Nandina domestica. Plant Tissue Cult Proc Int Congr Plant Tissue Cell Cult 5th: 315316.
Mahonia fortunei	Leaf	--	--		Willaman, J. J., Li, H. L. 1970. Alkaloid-Bearing Plants and their Contained Alkaloids, 1957-1968. Lloydia, 33: 1-286.
Mahonia fargesii	Root	--	--		Liu, M. I., Feng, H. L. 1991. The Alkaloids Content of the Different Parts in Dayecihuangbai (Mahonia fargesii) by HPLC. Chung Ts'ao Yao, 22(7): 308-309.
Mahonia aquifolium	Root Bark	--	--		Kukic, P., Nikolic, R., Gorunovic, M. 1972. Comparative Pharmacognostic Study of Berberis (Barberry) vulgaris and Berberis aquifolium. Acta Pharm Jugosl, 22: 19-24.
Mahonia aquifolium	Plant	--	--		*
Mahonia philipinensis	Root	--	--		Willaman, J. J., Li, H. L. 1970. Alkaloid-Bearing Plants and their Contained Alkaloids, 1957-1968. Lloydia, 33: 1-286.
Mahonia japonica	Stem	--	--		Battersby, A. R., Francis, R. J., Hirst, M., Ruveda, E. A., Staunton, J. 1975. Biosynthesis. Part XXI. Investigations on the Biosynthesis of Stylopine in Chelidonium Majus. J Chem Soc Perkin Trans I: 1140.
Mahonia fargesii	Bark	--	--		Liu, M. I., Feng, H. L. 1991. The Alkaloids Content of the Different Parts in Dayecihuangbai (Mahonia fargesii) by HPLC. Chung Ts'ao Yao, 22(7): 308-309.
Mahonia aquifolium	Wood	--	--		Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
Menispermum canadense	Plant	--	--		*
Nandina domestica	Plant	--	--		*

Papaver somniferum	Plant	--	--		Father Nature's Farmacy: The aggregate of all these three-letter citations.
Phellodendron amurense	Bark	8300.0	10000.0	-1.0	*
Podophyllum peltatum	Plant	--	--		*
Podophyllum hexandrum	Rhizome	--	--		*
Sanguinaria canadensis	Root	--	--		*
Xanthorhiza simplicissima	Root	12000.0	13000.0	-0.78	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Zanthoxylum americanum	Plant	--	--		*
Zanthoxylum clava-herculis	Plant	--	--		*
Zanthoxylum alatum	Bark	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Zanthoxylum clava-herculis	Bark	--	--		*