

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Mahonia aquifolium

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CORYTUBERINE	Leaf		4300.0		Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
11	MAGNOFLORINE	Leaf		1600.0		Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
38	BERBAMINE	Leaf		31.0		Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
6	CORYDINE	Leaf		29.0		Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
4	(+)-SYRINGARESINOL	Bark		28.0		Wirth, C., Wagner, H. 1997. Pharmacologically Active Phenolic Compounds from the Bark of Mahonia aquifolium. Phytomedicine, 4(4): 357-358.
5	ISOCORYDINE	Leaf		26.0		Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
5	ISOBOLDINE	Leaf		23.0		Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
17	PALMATINE	Leaf		13.0		Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
130	BERBERINE	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.
130	BERBERINE	Root				--
17	PALMATINE	Bark				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
130	BERBERINE	Bark				--
11	MAGNOFLORINE	Bark				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
10	OXYACANTHINE	Root				--
38	BERBAMINE	Root				--
3	CORYTUBERINE	Wood				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
17	PALMATINE	Shoot				--
130	BERBERINE	Plant				--
11	MAGNOFLORINE	Plant				--
3	CORYTUBERINE	Bark				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
17	PALMATINE	Root				Kostavolva, D., Brazdovicova, B., Tomko, J. 1981. Isolation of Quaternary Alkaloids from Mahonia aquifolium (Pursh) Nutt. I. Chem Zvesti, 35: 279-283.
38	BERBAMINE	Wood				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
11	MAGNOFLORINE	Root				Kostavolva, D., Brazdovicova, B., Tomko, J. 1981. Isolation of Quaternary Alkaloids from Mahonia aquifolium (Pursh) Nutt. I. Chem Zvesti, 35: 279-283.
13	JATRRORRHIZINE	Plant				--
38	BERBAMINE	Seed				Kostalova, D., Hrochova, V., Tomko, J. 1986. Tertiary Alkaloids of Mahonia aquifolium (Pursh) Nutt. III. Chem Pap, 40(3): 389-394.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	JATRORRHIZINE	Bark				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
5	ISOCORYDINE	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
10	OXYACANTHINE	Seed				Kostalova, D., Hrochova, V., Tomko, J. 1986. Tertiary Alkaloids of Mahonia aquifolium (Pursh) Nutt. III. Chem Pap, 40(3): 389-394.
13	JATRORRHIZINE	Shoot				--
5	ISOBOLDINE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
11	ISOTETRANDRINE	Seed				Kostalova, D., Hrochova, V., Tomko, J. 1986. Tertiary Alkaloids of Mahonia aquifolium (Pursh) Nutt. III. Chem Pap, 40(3): 389-394.
7	COLUMBAMINE	Bark				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
10	OXYACANTHINE	Plant				Galle, K., Muller-Jakic, B., Proebstle, A., Jurcic, K., Bladt, S., Wagner, H. 1994. Analytical and Pharmacological Studies on Mahonia aquifolium. Phytomedicine, 1(1): 59-62.
38	BERBAMINE	Bark				--
13	JATRORRHIZINE	Root				Kostavolva, D., Brazdovicova, B., Tomko, J. 1981. Isolation of Quaternary Alkaloids from Mahonia aquifolium (Pursh) Nutt. I. Chem Zvesti, 35: 279-283.
16	HYDRASTINE	Root				--
11	ISOTETRANDRINE	Shoot				Khusainova, K. S. and Sadykov, Y. D. 1986. Alkaloids from Aerial Parts of Mahonia aquifolium. Izv Akad Nauk Tadzh Ssr Otd Fiz Mat Khim Geol Nauk, 1: 41-46.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	COLUMBAMINE	Root				Kostavolva, D., Brazdovicova, B., Tomko, J. 1981. Isolation of Quaternary Alkaloids from Mahonia aquifolium (Pursh) Nutt. I. Chem Zvesti, 35: 279-283.
10	OXYACANTHINE	Shoot				Khusainova, K. S. and Sadykov, Y. D. 1986. Alkaloids from Aerial Parts of Mahonia aquifolium. Izv Akad Nauk Tadzh Ssr Otd Fiz Mat Khim Geol Nauk, 1: 41-46.
38	BERBAMINE	Shoot				Khusainova, K. S. and Sadykov, Y. D. 1986. Alkaloids from Aerial Parts of Mahonia aquifolium. Izv Akad Nauk Tadzh Ssr Otd Fiz Mat Khim Geol Nauk, 1: 41-46.
5	ISOCORYDINE	Flower				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
3	CORYTUBERINE	Plant				--
130	BERBERINE	Wood				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
10	OXYACANTHINE	Bark				Muleir, K., Ziereis, K., Gawlik, I. 1995. The Antipsoriatic Mahonia aquifolium and its Active Constituents, II. Antiproliferative Activity Against Cell Growth of Human Keratinocytes. Planta Medica, 61(1): 74-75.
2	CORYPALMINE	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	ISOCORYDINE	Wood				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
6	CORYDINE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	AROMOLINE	Seed				Kostalova, D., Hrochova, V., Tomko, J. 1986. Tertiary Alkaloids of Mahonia aquifolium (Pursh) Nutt. III. Chem Pap, 40(3): 389-394.
4	OBAMEGINE	Seed				Kostalova, D., Hrochova, V., Tomko, J. 1986. Tertiary Alkaloids of Mahonia aquifolium (Pursh) Nutt. III. Chem Pap, 40(3): 389-394.
2	TETRAHYDROBERBERINE	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
5	ISOCORYDINE	Bark				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
7	COLUMBAMINE	Plant				--
2	AROMOLINE	Root				Kostalova, D., Hrochova, V., Tomko, J. 1986. Tertiary Alkaloids of Mahonia aquifolium (Pursh) Nutt. III. Chem Pap, 40(3): 389-394.
130	BERBERINE	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.
4	OBAMEGINE	Root				Kostalova, D., Hrochova, V., Tomko, J. 1986. Tertiary Alkaloids of Mahonia aquifolium (Pursh) Nutt. III. Chem Pap, 40(3): 389-394.
35	TANNIN	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	CANADINE	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
17	PALMATINE	Wood				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
130	BERBERINE	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
11	MAGNOFLORINE	Wood				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
17	PALMATINE	Plant				--