

List of All Chemicals

P Magnolia obovata (Magnoliaceae)

Common name(s)

Japanese Whitebark Magnolia; Ho-no-ki

How used

Medicinal

*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.

Chemical	Part	All	Low PPM	High PPM	StdDev	*Reference
HONOKIOL	Bark		--	3200.0	-1.0	*

Activities (18)

Antiacetyltransferase
IC50=150 uM

Antiaggregant

Antibacterial
Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Anticariogenic
Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Anticonvulsant

Antiemetic

Antileukemic IC50=0.034 ug/ml
Life Sciences 55: 1061.

Antioxidant 1000 x a-tocopherol

Antiradicular < a-tocopherol

Antiseptic

Antitumor-Promoter

Anxiolytic 0.1-1 mg/kg

CNS-Depressant

Calcium-Antagonist 10 uM rat

Fungicide
Recio, M. C., Rios, J. L., and Villar, A., A review of some antimicrobial compounds isolated from medicinal plants reported in the literature 1978-1988, Phytotherapy Research, 3(4), 1989, 117-125.

Myorelaxant
Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Pesticide

Sedative
Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

MAGNOLOL	Bark		--	8100.0	-1.0	*
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Activities (13)

Antibacterial

Anticariogenic

Anticonvulsant

Antioxidant 1,000 x a-tocopherol

Antitumor-Promoter

Artemicide

CNS-Depressant

Calcium-Antagonist 10 uM rat

Fungicide
Recio, M. C., Rios, J. L., and Villar, A., A review of some antimicrobial compounds isolated from medicinal plants reported in the literature 1978-1988, Phytotherapy Research, 3(4), 1989, 117-125.

Fungicide

Larvicide

Myorelaxant

Pesticide