

List of All Chemicals

P Fraxinus ornus (Oleaceae)

Common name(s)

Ash

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
----------	------	-----	---------	----------	--------	------------

ESCULETIN	Bark		--	--		*
-----------	------	--	----	----	--	---

Activities (30)

5-Lipoxygenase-Inhibitor
IC50=0.1-5 uM

Analgesic

Antiarrhythmic

Antiasthmatic?

Antibacterial

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

Anticapillary-Fragility

Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.

Antidysenteric

HerbalGram No. 24, page 37.

Antiescherichic

Antiinflammatory IC50=0.1-5 uM

Antimutagenic

Economic & Medicinal Plant Research, 6: 235.

Antipyretic

Antiseptic

Antistaphylococcic

Cancer-Preventive

Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.

Cardiodepressant

Choleretic

Fitoterapia No.5-1986.

Cosmetic

Cytotoxic

Mills, Simon and Bone, Kerry. 2000. Phytotherapy. Churchill Livinston, Edinburgh.

Dermatitigenic

Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.

Fungicide

Hepatoprotective 6 mg/kg mus

Hypertensive

Chemical Constituents of Oriental Herbs (3 diff. books)

Lipoxygenase-Inhibitor

Musculotropic

Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.

Myorelaxant

ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Pesticide

Sunscreen IC98=20 mg/l

Lazarova*, G., Kostova, I., Neychev, H. 1992. Photodynamic damage prevention by some hydroxycoumarins. Fitoterapia 64(2): 134-136, 1993.

Sunscreen IC100=50 mg/l

Lazarova*, G., Kostova, I., Neychev, H. 1992. Photodynamic damage prevention by some hydroxycoumarins. Fitoterapia 64(2): 134-136, 1993.

UV-Screen

Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.

Xanthine-Oxidase-Inhibitor
IC52=10 uM

ESCULIN	Bark		--	--		*
---------	------	--	----	----	--	---

Activities (29)

Analgesic	
AntiCVS	
Antiaging	
Antiallopecic	
Antiarthritic	
Anticapillary-Fragility	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Anticellulitic	
Antidermatitic	
Antierythemic 4 mg orl man	
Antihemorrhoidal	
Antihistaminic	
Antiinflammatory	
Antioxidant	Jim Duke's personal files.
Antipanniculopathic	
Antipyretic	
Antiseborrheic	
Bacteristat	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Cancer-Preventive	Jim Duke's personal files.
Cardiotonic	
Choleretic	Fitoterapia No.5-1986.
Cosmetic	
Diuretic	
Hypertensive	Chemical Constituents of Oriental Herbs (3 diff. books)
Lipoxygenase-Inhibitor	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Microvasculokinetic	
Sunscreen IC39=20 mg/l	Lazarova*, G., Kostova, I., Neychev, H. 1992. Photodynamic damage prevention by some hydroxycoumarins. Fitoterapia 64(2): 134-136, 1993.
Sunscreen IC26=50 mg/l	
Toxic	
Vasoprotective	

FRAXETIN Bark -- -- *

Activities (12)

Antiarthritic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Antibacterial	
Antibronchitic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Antidysenteric ED80=50-100 mg/kg orl hmn	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Antipyretic 50-100 mg/kg orl hmn	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Antirheumatic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Antiseptic	
Candidistat	
Pesticide	
Sunscreen IC95=20 mg/l	Lazarova*, G., Kostova, I., Neychev, H. 1992. Photodynamic damage prevention by some hydroxycoumarins. Fitoterapia 64(2): 134-136, 1993.
Sunscreen IC98=50 mg/l	Lazarova*, G., Kostova, I., Neychev, H. 1992. Photodynamic damage prevention by some hydroxycoumarins. Fitoterapia 64(2): 134-136, 1993.
Xanthine-Oxidase-Inhibitor IC100=10 uM	

FRAXIN Bark -- -- *

Activities (10)

Aldose-Reductase-Inhibitor 10 ug/ml cow	Okada,Y,et al.1995.Search for Naturally Occurring Substances to Prevent the Complications of Diabetes.II.Inhibitory Effect of Coumarin and Flavonoid Derivatives on Bovine Lens Aldose Reductase and Rabbit Platelet Aggregation.Chem Pharm Bull43(8):1385-1387
Antiinflammatory	
Antioxidant	
Antiseptic	
Candidostat	
Diuretic	
Pesticide	
Sunscreen IC23=20 mg/l	Lazarova*, G., Kostova, I., Neychev, H. 1992. Photodynamic damage prevention by some hydroxycoumarins. Fitoterapia 64(2): 134-136, 1993.
Sunscreen IC73=50 mg/l	Lazarova*, G., Kostova, I., Neychev, H. 1992. Photodynamic damage prevention by some hydroxycoumarins. Fitoterapia 64(2): 134-136, 1993.
Uricosuric	