

List of All Chemicals

P Buxus sempervirens (Buxaceae)

Common name(s)

Boxwood

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 <input type="button" value="All"/>	Low PPM	High PPM	StdDev	*Reference
BEBEERINE	Plant	--	--		*
Activities (4)					
Antimalarial	Merck 11th Edition				
Antitumor	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.				
Cardiactive	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Pesticide					
BEBUXINE	Leaf	--	--		*
BUXALINE-C	Plant	--	--		*
BUXALPHINE	Leaf	--	--		*
BUXALTINE	Plant	--	--		*
BUXAMINE	Leaf	--	--		*
BUXAMINOL	Leaf	--	--		*
BUXANDRINE	Leaf	--	--		*
BUXANINE	Leaf	--	--		*
BUXARINE	Leaf	--	--		*
BUXATINE	Plant	--	--		*
BUXAZIDINE-B	Leaf	--	--		*
BUXAZINE	Plant	--	--		*
BUXDELTINE	Leaf	--	--		*
BUXENE	Plant	--	--		*
BUXENINE	Plant	--	--		*
BUXENINE-G	Leaf	--	--		*
BUXENONE	Leaf	--	--		*
BUXEPIDINE	Leaf	--	--		*
BUXERIDINE	Leaf	--	--		*
BUXETINE	Leaf	--	--		*
BUXIDINE	Leaf	--	--		*
BUXIRAMINE	Plant	--	--		*
BUXOCYCLAMINE-A	Plant	--	--		*
BUXOMEGINE	Leaf	--	--		*
BUXOZINE-C	Plant	--	--		*
BUXPIINE	Plant	--	--		*

BUXPSIINE	Plant	--	--		*
BUXTAUINE	Plant	--	--		*
CYCLOBUXAMINE	Plant	--	--		*
CYCLOBUXINE	Plant	--	--		*
CYCLOBUXOXINE	Plant	--	--		*
CYCLOMICROBUXINE	Plant	--	--		*
CYCLOMICROSINE	Plant	--	--		*
CYCLOPROTOBUXINE	Plant	--	--		*

Activities (3)

Antiarrhythmic

Antitumor

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

CYCLOPROTOBUXINE-D	Plant	--	--		*
CYCLOVIROBUXEINE	Leaf	--	--		*
CYCLOVIROBUXINE-D	Plant	--	--		*

Activities (2)

Antianginal

Antiarrhythmic Advance in Chinese Medicinal Materials Research. 1985. Eds. H. M. Chang, H. W. Yeung, W. -W. Tso and A. Koo. World Scientific Publishing Co., Philadelphia Pa., page 407.

DEOXYCYCLOBUXOXAZINE	Plant	--	--		*
DIHYDROCYCLOBUXINE	Plant	--	--		*
DIMETHYLCYCLOBUXINE	Plant	--	--		*
DIMETHYLCYCLOVIROBUXINE	Plant	--	--		*
FAT	Seed	416000.0	443000.0	0.94	*
ISOCHONDODENDRINE	Plant	--	--		*

Activities (3)

Antileishmanic

Antitumor

Protistocide

LINOLEIC-ACID	Seed	--	--		*
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Activities (27)
5-Alpha-Reductase-Inhibitor

AntiMS	Economic & Medicinal Plant Research, 6: 189.
Antiacne	
Antiallopecic	
Antianaphylactic	Economic & Medicinal Plant Research, 6: 189.
Antiandrogenic	
Antiarteriosclerotic	
Antiarthritic	Economic & Medicinal Plant Research, 6: 189.
Anticoronary	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antieczemic	Economic & Medicinal Plant Research, 6: 189.
Antifibrinolytic	Economic & Medicinal Plant Research, 1: 53.
Antigranular	
Antihistaminic	Economic & Medicinal Plant Research, 6: 189.
Antiinflammatory IC50=31 uM	
Antileukotriene-D4 IC50=31 uM	
Antimenorrhagic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antiprostatic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Carcinogenic	Science News, 146: 421.
Comedolytic	
Hepatoprotective	
Hypocholesterolemic	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Immunomodulator	Economic & Medicinal Plant Research, 6: 189.
Insectifuge	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Metastatic	Science News, 146: 421.
Nematicide	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Propecic	

LINOLENIC-ACID	Seed	--	--	*
METHYLCYCLOPROTUBUXINE	Plant	--	--	*
N-ACETYLCYCLOPROTUBUXINE	Leaf	--	--	*
N-BENZOYL-O-ACETYL-BUXODIENINE-E	Plant	--	--	*
N-BENZOYLBUXODIENINE-E	Plant	--	--	*
N-BENZOYLCYCLOBUXIDINE	Leaf	--	--	*
N-BENZOYLCYCLOBUXINE	Leaf	--	--	*
N-BENZOYLCYCLOBUXOLIINE	Leaf	--	--	*
N-BENZOYLCYCLOPROTUBUXOLIINE	Leaf	--	--	*
N-BENZOYLDIHYDROCYCLOMICROPHYLLINE	Leaf	--	--	*
N-METHYL-BUXENE	Plant	--	--	*
NORBUXAMINE	Leaf	--	--	*
OLEIC-ACID	Seed	--	--	*

Activities (18)

5-Alpha-Reductase-Inhibitor	
Allergenic	
Alpha-Reductase-Inhibitor	
Anemiagenic	
Antiallopecic	
Antiandrogenic	
Antiinflammatory IC50=21 uM	
Antileukotriene-D4 IC50=21 uM	
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Choleretic 5 ml/man	
Dermatitigenic	
FLavor FEMA 1-30	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Hypocholesterolemic	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Insectifuge	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Irritant	Merck 11th Edition
Percutaneostimulant	Seki, T., Toeda, C., Kawaguchi, T., Juni, K., Sugibayashi, K., and Morimoto, Y. 1990. Enhanced Transdermal Delivery of Zidovudine in Rats and Human Skin. Chem. Pharm. Bull. 38(11): 3086-3089, 1990.
Perfumery	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Propepic	

PARABUSONIDINE	Plant	--	--		*
PARABUXINE	Plant	--	--		*
PROTEIN	Seed	14000.0	218000.0	-0.14	*
PSEUDOCYCLOBUXINE	Plant	--	--		*
TANNIN	Leaf	--	--		*

Activities (35)

Anthelmintic	
AntiHIV	
Antibacterial	
Anticancer	
Anticariogenic	
Antidiarrheic	
Antidysenteric	
Antihepatotoxic	
Antihypertensive	
Antilipolytic	
Antimutagenic	
Antinephritic	Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990.
Antiphidic	Economic & Medicinal Plant Research, 5: 363.
Antioxidant IC50=1.44 ug/ml	
Antioxidant 1/3 quercetin	
Antiradicular 500 mg/kg/day orl mus	Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990.
Antiradicular 1/3 quercetin	
Antirenitic	Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990.
Antitumor	
Antitumor-Promoter	
Antiulcer	
Antiviral	
Cancer-Preventive	HerbalGram No. 22 - Spring 1990, page 14.
Carcinogenic	
Chelator	
Cyclooxygenase- Inhibitor	
Glucosyl- Transférase-Inhibitor	
Hepatoprotective	
Immunosuppressant	
Lipoxygenase- Inhibitor	
MAO-Inhibitor	
Ornithine- Decarboxylase- Inhibitor	
Pesticide	
Psychotropic	Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990.
Xanthine-Oxidase- Inhibitor	

TIGLOYLCYCLOVIROBUXEINE

Leaf

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