

List of All Chemicals

P Picrorhiza kurroa (Scrophulariaceae)

Common name(s)

Picrorhiza

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
2-BETA-GLUCOSYLOXY-CUCURBITACIN-O	Root	--	47.0		*
23,24-DIHYDROCUCURBITACIN-B	Root	--	24.0		*
25-ACETOXY-2BETA-GLUCOSYLOXY-3,16,20- TRIHYDROXY-9-METHYL-18-NORLANOST-5,23- DIEN-22-ONE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
2BETA-GLUCOSYLOXY-16,20,22-TRIHYDROXY-9- METHYL-19-NORLANOSTA-5,24-DIENE-3,11- DIONE	Plant	--	--		*
2BETA-GLUCOSYLOXY-3,16,20,25- TETRAHYDROXY-9-METHYL-19-NORLANOSTA- 5,23-DIENE-11,22-DIONE	Plant	--	--		*
6-FERULOYL CATALPOL	Root	--	59.0		*
6-TRANS-FERULOYL CATALPOL	Root	--	--		*
AMPHICOSIDE	Plant	--	--		*
AMPHICOSIDE	Root	706.0	36000.0		*
ANDROSIN	Root	--	176.0		*

Activities (5)

Antiallergic 10 mg/kg Dorsch, W., Wagner, H. New Antiasthmatic Drugs from Traditional Medicine? Int Arch Allergy Appl Immunol 94: 262-265, 1991.
 Antiasthmatic 10 mg/kg
 Antibronchitic
 Antibronchitic inl 0.5 mg/kg
 Antibronchitic IC60-70=10 mg/kg

ANDROSIN Plant -- -- *

Activities (5)

Antiallergic 10 mg/kg Dorsch, W., Wagner, H. New Antiasthmatic Drugs from Traditional Medicine? Int Arch Allergy Appl Immunol 94: 262-265, 1991.
 Antiasthmatic 10 mg/kg
 Antibronchitic
 Antibronchitic inl 0.5 mg/kg
 Antibronchitic IC60-70=10 mg/kg

APOCYNIN Root -- -- *

Activities (8)

Antiarthritic
 Antiatherosclerotic
 Anticolitic
 Antiinflammatory
 Antioxidant
 Antirheumatic
 Cardiac CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
 Cartilage-Sparing

APOCYNIN Rhizome -- -- List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities (8)

Antiarthritic
 Antiatherosclerotic
 Anticolitic
 Antiinflammatory
 Antioxidant
 Antirheumatic
 Cardiac CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
 Cartilage-Sparing

APOCYNINE Plant -- -- *

Activities (1)

Antiasthmatic 10 mg/kg

ARVENIN-III Root -- 35.0 *

CATALPOL Juice -- -- *

Activities (3)

Cathartic ED50=340 mg/kg Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
 Diuretic Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
 Purgative

CINNAMIC-ACID-6-BETA-D-GLUCOSIDE Juice -- -- *

CUCURBITACIN-B Root -- 47.0 *

Activities (8)

Antigibberellin Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
 Antihepatotoxic
 Antiinflammatory
 Antitumor Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
 Cancer-Preventive Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
 Cytotoxic 2.5 ppt
 Insectifuge Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
 Insectiphile Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

CUCURBITACIN-GLYCOSIDE Root -- -- Dorsch, W., Wagner, H. New Antiasthmatic Drugs from Traditional Medicine? Int Arch Allergy Appl Immunol 94: 262-265, 1991.

CUCURBITACIN-Q-2-O-BETA-D-GLUCOSIDE Root -- 35.0 *

D-MANNITOL Rhizome -- 5000.0 *

GLUCOSE Rhizome -- -- List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities (7)

Acetylcholinergic
 Antiedemic Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
 Antihepatotoxic Merck 11th Edition
 Antiketotic Merck 11th Edition
 Antivaricose Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
 Hyperglycemic Merck 11th Edition
 Memory-Enhancer Science News, 138: 189, 1990.

GLUCOSIDO-VANILLOYL-GLUCOSE Rhizome -- -- Chemical Constituents of Oriental Herbs (3 diff. books)

KURRIN Rhizome -- 5000.0 *

KUTHINOL	Rhizome	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
KUTHIRTEROL	Rhizome	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
KUTKIN	Rhizome	30000.0	40000.0	*
Activities (3)				
Choleretic				
Diuretic	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)			
Laxative	=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp			
KUTKIOL	Rhizome	--	600.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
KUTKISTEROL	Rhizome	--	1800.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
KUTKOSIDE	Root	--	2400.0	*
KUTKOSIDE	Plant	--	--	*
KUTKOSIDE	Rhizome	--	--	*
MINECOSIDE	Root	--	59.0	*
MINECOSIDES	Root	--	--	Dorsch, W., Wagner, H. New Antiasthmatic Drugs from Traditional Medicine? Int Arch Allergy Appl Immunol 94: 262-265, 1991.
PICEIN	Root	--	118.0	*
PICRORHIZIN	Rhizome	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
PICROSIDE	Root	--	--	*
PICROSIDE-I	Root	--	470.0	*
Activities (3)				
Choleretic				
Hepatoprotective	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 207.			
Hepatotoxic	Fitoterapia No.5-1986.			
PICROSIDE-I	Rhizome	--	--	*
Activities (3)				
Choleretic				
Hepatoprotective	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 207.			
Hepatotoxic	Fitoterapia No.5-1986.			
PICROSIDE-II	Rhizome	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Activities (3)				
Choleretic				
Hepatoprotective	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 207.			
Hepatotoxic	Fitoterapia No.5-1986.			
PICROSIDE-III	Plant	--	--	*
PROTOCATECHUIC-ACID	Plant	--	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activities (43)

Allergenic	
Alpha-Glucosidase-Inhibitor	
AntiLegionella	
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.
Antiasthmatic	
Antibacterial	Lamikanra, A., Ogundaini, A.O., and Ogungbamila*, F.O. Antibacterial Constituents of Alchornea cordifolia Leaves. Phytotherapy Research 4(5): 198.
Anticlastogen	
Antihepatotoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiherpetic	
Antiinflammatory	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiscleremic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antileukemic	
Antimelanogenic ID60=0.5 uM/ml	
Antimutagenic	
Antiophidic	Economic & Medicinal Plant Research, 5: 363.
Antioxidant 2/3 quercetin	
Antioxidant 10 x alpha-tocopherol	
Antioxidant 1/2 BHT	
Antiperoxidant IC50=>100 uM	Planta Medica, 57: A54, 1991.
Antiperoxidant IC75=200 ug/ml	
Antiradicular	
Antiseptic	
Antispasmodic EC50=4.6-17 uM	Ortiz de Urbina, J.J., Martin, M.L., Sevilla, M.A., Montero, M.J., Carron, R., and San Roman, L. Antispasmodic Activity on Rat Smooth Muscle of Polyphenol Compounds Caffeic and Protocatechic Acids. Phytotherapy Research 4(2): 73, 1990.
Antitumor (Colon)	
Antitumor (Mouth)	
Antitumor (Skin)	
Antitussive	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 200.
Antiviral	
Apoptotic	
Carcinogenic	
Cardioprotective	
Chemopreventive 100 ppm orl rat	
Fungicide 500 ug/ml	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.
Glutathione- Depleting	
Hepatotoxic	
Immunostimulant	Economic & Medicinal Plant Research, 1: 124.
Nephrotoxic	
Pesticide	
Phagocytotic	Economic & Medicinal Plant Research, 1: 124.
Prostaglandigenic	
Secretagogue	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Tyrosinase-Inhibitor ID60=0.5 uM/ml	
Ubiquitot	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

TRIPALMITIN	Rhizome	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
VANILLIC-ACID	Rhizome	--	1000.0	*

Activities (24)

Aldose-Reductase-Inhibitor 100 uM/l	
Allelopathic	
Anthelmintic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antibacterial 1.5-15 mg/ml	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.
Anticancer	
Antifatigue	
Antiinflammatory	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antileukemic IC50=25-56 ug/ml	Chiang, L. C., Chiang, W., Chang, M. Y., Ng, L. T., Lin, C. C. 2003. Antileukemic activity of selected natural products in Taiwan. Am J Chin Med, 31(1):37-46.
Antioxidant IC21=30 ppm	
Antioxidant 1/3 BHA	
Antiperoxidant IC15-65=100-200 ug/ml	
Antiradicular 7 x quercetin	
Antiseptic	
Antisickling	Planta Medica, 56(6): 681, 1990.
Antitumor	
Antitumor-Promoter	
Ascaricide	
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Choleretic	
Fungicide	
Immunosuppressant	
Laxative	=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Pesticide	
Ubiquit	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

VERONICOSIDE

Root

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47.0

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