

Dr. Duke's Phytochemical and Ethnobotanical Database

List of Activities for BAICALEIN

Activity	Reference
12-Lipoxygenase-Inhibitor	
17-beta-hydroxysteroid dehydrogenase-Inhibitor	
5-Lipoxygenase-Inhibitor	
Aldose-Reductase-Inhibitor	Kohda, H., Tanaka, S., Yamaoka, Y., Yahara, S., Nohara, T., Tanimoto, T., Tanaka, A. 1989. Studies on Lens-Aldose-Reductase Inhibitor in Medicinal Plants.II Active Constituents of Monochasma savatierii FRANCH, et MAXIM. Chem. Pharm. Bull. 37(11):3153-3154
Antiacne	
Antiaggregant	Butenko, I.G., Gladchenko, S.V., and Galushko, S.V. Anti-inflammatory properties and inhibition of leukotriene C4 biosynthesis in vitro by flavonoid baicalein from Scutellaria baicalensis georgy roots. Agents Actions 39: C49, 1993.
Antiallergic	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Antiarthritic	
Antiasthmatic	
Antiatherosclerotic	
Antibacterial	Foster, S. and Yue, C-G. 1992. Herbal Emissaries-Bringing Chinese Herbs to the West. Healing Arts Press, Rochester VT. 356 pp.
Anticolitic	
Antidermatitic	
Antidote (Strychnine)	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Antiedemic	

Activity	Reference
Antiflu	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Antigenotoxic	
Antihepatomic	
Antihistaminic	
AntiHIV	
Antiinflammatory	
Antileukemic	Life Sciences 55: 1061.
Antimutagenic	
Antiproliferative	Huang, H-C., Wang, H-R., and Hsieh, L-M. 1993. Antiproliferative effect of baicalein, a flavonoid from a Chinese herb, on vascular smooth muscle cell. European J. of Pharmacology 251: 91-93, 1994.
Antipyretic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Antiretroviral	
Antithrombotic	
Antitoxin (Strychnine)	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Antiviral	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Apoptotic	
Astringent	Merck 11th Edition
Choleretic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.

Activity	Reference
COX-1-Inhibitor	Fukutake, M., Yokota, S., Kawamura, H., Iizuka, A., Amagaya, S., Fukuda, K., Komatsu, Y. 1998. Inhibitory effect of Coptidis rhizoma and Scutellariae radix on azoxymethane-induced aberrant crypt foci formation in rat colon. Biol Pharm Bull, 21(8): 814-817
COX-2-Inhibitor	
Cyclooxygenase-Inhibitor	
Diuretic	
Fungicide	
HIV-RT-Inhibitor	Economic & Medicinal Plant Research, 5: 225.
Hypocholesterolemic	
Neuroprotective	
Pesticide	
Topoisomerase-II-Inhibitor	Matsuzaki, Y., Kurokawa, N., Terai, S., Matsumura, Y., Kobayashi, N., Okita, K. 1996. Cell Death Induced by Baicalein in Human Hepatocellular Carcinoma Cell Lines. Jap J Cancer Res, 87: 170-177.
Triglycerolytic	
Xanthine-Oxidase-Inhibitor	