

## Dr. Duke's Phytochemical and Ethnobotanical Databases

### 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 <i>Monochasma savatieri</i> FRANCH, et MAXIM. Chem. Pharm. Bull. 37(11):3153-3154
Aldose-Reductase-Inhibitor	Shimizu, M., Ito, T., Terashima, S., Hayashi, T., Arisawa, M., Morita, N., Kurokawa, S., Ito, K., and Hashimoto, Y. 1984. Inhibition of Lens Aldose Reductase by Flavonoids. Phytochemistry, 23: 1885-1888.
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 <i>Monochasma savatieri</i> 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 <i>Scutellaria baicalensis</i> 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	--
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	--
Antiinflammatory	--

Activity	Reference
Antileukemic	Economic & Medicinal Plant Research, 5: 225.
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. <i>European J. of Pharmacology</i> 251: 91-93, 1994.
Antipyretic	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.
Antiretroviral	--
Antithrombotic	--
Antithrombotic	--
Antitoxin (Strychnine)	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.
Antiviral	Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
Apoptotic	--
Astringent	Merck 11th Edition
Choleretic	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.
COX-1-Inhibitor	Fukutake, M., Yokota, S., Kawamura, H., Iizuka, A., Amagaya, S., Fukuda, K., Komatsu, Y. 1998. Inhibitory effect of <i>Coptidis rhizoma</i> and <i>Scutellariae radix</i> on azoxymethane-induced aberrant crypt foci formation in rat colon. <i>Biol Pharm Bull</i> , 21(8): 814-817
COX-2-Inhibitor	--
Cyclooxygenase-Inhibitor	--
Diuretic	--
Fungicide	--
HIV-RT-Inhibitor	Nakane, H., Fukushima, M., and Ono*, K. Differential Inhibition Of Reverse Transcriptase And Various DNA Polymerases By Digallic Acid And Its Derivatives. <i>Journal of Natural Products</i> , 53(5): 1234-1240, 1990.
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. <i>Jap J Cancer Res</i> , 87: 170-177.
Triglycerolytic	--
Xanthine-Oxidase-Inhibitor	--