



Product Information

Product ID B0133

CAS No. 21967-41-9

Chemical Name

Synonym 7-D-Glucuronic acid-5,6-dihydroxyflavone

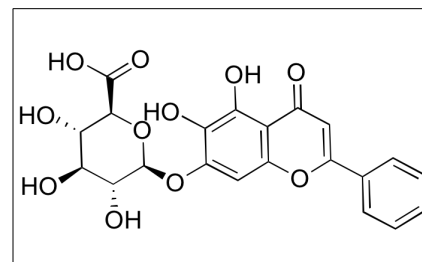
Formula C₂₁H₁₈O₁₁

Formula Wt. 446.36

Melting Point 202-205°C (lit.)

Purity ≥95%

Solubility Soluble in DMSO or ethanol.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B0133	250 mg	\$50.20
B0133	500 mg	\$71.50
B0133	1 g	\$93.00

Store Temp -20°C

Ship Temp Ambient

Description Baicalin is a flavone found in *Scutellaria* that exhibits antiviral, antioxidative, antihypertensive, cardioprotective, anti-inflammatory, and anticancer chemotherapeutic activities. Baicalin inhibits prolyl oligopeptidase. Baicalin also inhibits neuraminidase, preventing influenza infection. In animal models of hypoxia-induced pulmonary arterial hypertension, baicalin decreases systolic blood pressure, inhibits ventricular remodeling, and suppresses proliferation of pulmonary artery smooth muscle cells. In animal models of cerebral hemorrhage, baicalin decreases development of edema and suppresses expression of matrix metalloproteinase 9 (MMP9), IL-6, and IL-1B. Additionally, baicalin inhibits UV-induced skin aging responses in fibroblasts and inhibits cell and tumor growth in models of acute myelogenous leukemia (AML).

References Ding Y, Dou J, Teng Z, et al. Antiviral activity of baicalin against influenza A (H1N1/H3N2) virus in cell culture and in mice and its inhibition of neuraminidase. *Arch Virol.* 2014 Jul 31. [Epub ahead of print]. PMID: 25078390.

Min W, Liu X, Qian Q, et al. The effects of baicalin against UVA-induced photoaging in skin fibroblasts. *Am J Chin Med.* 2014;42(3):709-27. PMID: 24871661.

Zhang L, Pu Z, Wang J, et al. Baicalin inhibits hypoxia-induced pulmonary artery smooth muscle cell proliferation via the AKT/HIF-1α/p27-associated pathway. *Int J Mol Sci.* 2014 May 9;15(5):8153-68. PMID: 24821539.

Zhou QB, Jin YL, Jia Q, et al. Baicalin attenuates brain edema in a rat model of intracerebral hemorrhage. *Inflammation.* 2014 Feb;37(1):107-15. PMID: 23974988.

Zheng J, Hu JD, Huang Y, et al. Effects of baicalin on HL-60 cell xenografts in nude mice and its mechanism. *Zhongguo Shi Yan Xue Ye Xue Za Zhi.* 2012 Oct;20(5):1066-71. PMID: 23114120.

Tarragó T, Kichik N, Claasen B, et al. Baicalin, a prodrug able to reach the CNS, is a prolyl oligopeptidase inhibitor. *Bioorg Med Chem.* 2008 Aug 1;16(15):7516-24. PMID: 18650094.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.