

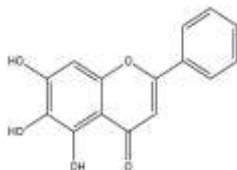
## PRODUCT: **Baicalein**

**ALTERNATE NAME:** 5,6,7-Trihydroxy-2-phenyl-(4*H*)-1-benzopyran-4-one

**CATALOG #:** B2309-50, 250

**AMOUNT:** 50 mg, 250 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>

**MOLECULAR WEIGHT:** 270.24

**CAS NUMBER:** 491-67-8

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO (>10 mg/ml)

**PURITY:** ≥98%

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** Baicalein is a potent inhibitor of 5- and platelet 12-lipoxygenases (IC<sub>50</sub> values are 9.5 and 0.12 μM respectively). Baicalein inhibits lipid peroxidation, as assessed by production of thiobarbituric acid (TBARS; IC<sub>50</sub> = 5 μM), and inhibits growth of Huh-7, KIM-1, and HLF human hepatocellular carcinoma cells (IC<sub>50</sub>s = 17-70 μg/ml).

**REFERENCES:** Sekiya, K., and Okuda, H. (1982). *Biochem. Biophys., Res. Commun.* 105, 1090-1095.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

N-Acetyl-4-benzoquinone Imine (**B2306**)

Baicalein (**B2309**)

L-Buthionine-(S,R)-Sulfoximine (**B2305**)

Erastin (**2231**)

EZSolution™ Erastin (**B1502**)

Ferrostatin-1 (**2230**)

FIN56 (**B2308**)

Glutathione ethyl ester (**B2307**)

Glutathione Peroxidase Colorimetric Assay Kit (**K762**)

ML-162 (**B2304**)

RSL3 (**B2303**)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**