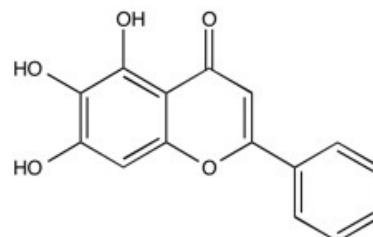


Baicalein, 12-Lipoxygenase inhibitor

Catalog	Unit
TBI2773-100MG	100 mg
TBI2773-500MG	500 mg

Product Details

Formal Name: 5,6,7-Trihydroxyflavone
Molecular Formula: C₁₅H₁₀O₅
Formula Weight: 270.24
CAS Number: 491-67-8
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to at least 20 mg/ml)
Storage: -20°C
Stability: ≥ 2 years.



Applications

12-Lipoxygenase inhibitor

Functions

Inhibitor of protein tyrosine kinase in leukemia (CEM) cells. Induces cell cycle arrest and apoptosis. Originally reported as a selective inhibitor of 12-lipoxygenase, baicalein has since been shown to inhibit both 12-LO and 15-LO (IC₅₀=0.64 μM for 12-LO and 1.6 μM for 15-LO). Displays anti-inflammatory activity and inhibits adjuvant-induced arthritis. Also inhibits prolyl oligopeptidase (IC₅₀=36 μM).

Application Procedures

First dissolved in DMSO (up to at least 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 week.

For research use only.