

Cat No. 94-W43

Genistein

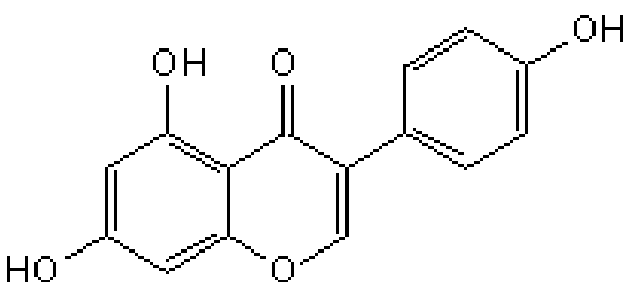
10mg

Genistein is a naturally occurring isoflavone found mainly in soy products. It inhibits protein tyrosine kinase and topoisomerase-II as well as angiogenesis. It has been shown to be involved in regulating apoptosis, an important target in cancer research.



For research purposes only

TECHNICAL INFORMATION



Other Names: 5,7-dihydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one

Chemical Formula: C₁₅H₁₀O₅

CAS Number: 446-72-0

PubChem Substance ID: 5280961

Molecular Weight: 270.24

Purity: >98%

Appearance: Off white crystalline solid

Solubility: DMSO

IC₅₀: 10mL

STORAGE AND HANDLING

Storage: Store at 4°C and protected from light. Following reconstitution, store aliquots at -20°C.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO. Soluble at 20mg/ml.

REFERENCES

1. Ghaemi, A., et al. (2012). Genistein induces a protective immunomodulatory effect in a mouse of cervical cancer. *Iran J Immunol.* 9:119-27.
2. Masuda, S., et al. (2012). Change in mutagenic activity of genistein after a nitrite treatment. *Biosci Biotechnol Biochem.* 76:938-41.
3. Al-Nakkash, L., et al. (2012). Genistein stimulates jejuna chloride secretion via sex-dependent, estrogen receptor or adenylate cyclase mechanisms. *Cell Physiol Biochem.* 30:137-50.