

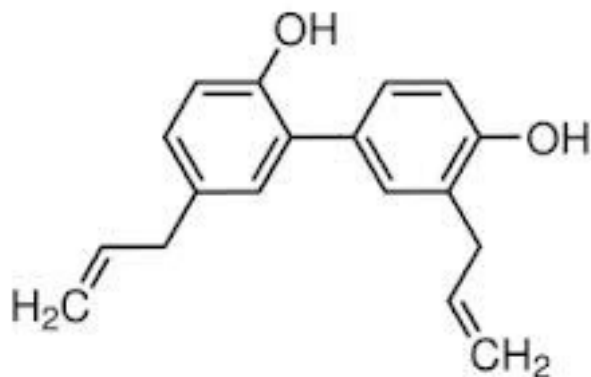
Cat No. 37-R66

Honokiol

10mg

Honokiol is a biologically active constituent of oriental medicinal herb *Magnolia officinalis/grandiflora*. It displays anxiolytic, antithrombotic, anti-tumor properties. In addition it modulates the NF- κ B activation pathway, an upstream effector VEGF, COX-2, and MCL1, all significant pro-angiogenic and survival factors. Honokiol induces caspase-dependent apoptosis in a TRAIL-mediated manner, and potentiates the pro-apoptotic effects of doxorubicin and other etoposides.

TECHNICAL INFORMATION



Other Names: 5,3'-Diallyl-2,4'-dihydroxydiphenyl, VEGFR tyrosine kinase inhibitor XIX, VEGFR2 kinase inhibitor XV

Chemical Formula: C₁₈H₁₈O₂

CAS Number: 35354-74-6

PubChem Substance ID: 72303

Molecular Weight: 266.3

Purity: >98%

Appearance: White Solid

Solubility: DMSO

IC₅₀ : 0.5 & 11 nM



For research purposes only

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.

REFERENCES

1. Guillermo, R.F., et al (2012). Time and dose-response effects of Honokiol on UVB-induced skin cancer development. *Drug Disco Ther.* 6:140-6.
2. Cheng, N., et al (2011). Synergistic antitumor effects of liposomal Honokiol combined with cisplatin in colon cancer models. *Oncol Lett.* 2:957-962.
3. Choi, S.S., et al (2012). Honokiol and magnolol stimulate glucose uptake by activating P13K-dependent Akt in L6 myotubes. *Biofactors.* 1872-8081.