



LKT Laboratories, Inc.

Honokiol

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Product Information

Product ID H5654

CAS No. 35354-74-6

Chemical Name 3',5-Di-2-propenyl-[1,1'-biphenyl]-2,4'-diol

Synonym 5,3'-diallyl-2,4'-dihydroxydiphenyl

Formula $C_{18}H_{18}O_2$

Formula Wt. 266.33

Melting Point 86-86.5 °C

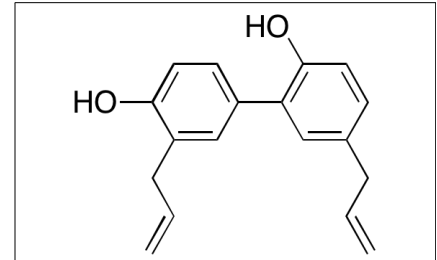
Purity ≥99%

Solubility Soluble in organic solvents
and caustic alkali. DMSO to
53 mg/ml,

Store Temp 4 °C

Ship Temp Ambient

Description Honokiol is a lignan originally found in species of *Magnolia* that exhibits anticancer chemotherapeutic, anti-angiogenic, antioxidative, neuroprotective, anti-inflammatory, antiviral, antithrombotic, and anxiolytic activities. Honokiol inhibits angiogenesis in epithelial cells and prevents tumor growth in animal models of angiosarcoma; it also suppresses growth and proliferation in oral squamous cell carcinoma cells. In animal models of cerebral ischemia/reperfusion, honokiol inhibits lipid peroxidation, ROS and inflammatory cytokine production, NF-κB activation, and neutrophil recruitment, infiltration, and adhesion. Honokiol also decreases platelet aggregation in vitro and increases time to thrombus formation in vivo. Additionally, this compound potentiates the effects of GABA-A receptors by acting at the benzodiazepine site and also inhibits cell entry and replication of hepatitis C virus and HIV-1. Honokiol also acts as an agonist at PPARγ receptors as well as agonist at CB1 receptor and an antagonist at the CB2 receptor.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
H5654	10 mg	\$59.50
H5654	25 mg	\$123.60
H5654	100 mg	\$412.00

References Atanasov AG, Wang JN, Gu SP, et al. Honokiol: a non-adipogenic PPARγ agonist from nature. *Biochim Biophys Acta*. 2013 Oct;1830(10):4813-9. PMID: 23811337.

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Liou KT, Shen YC, Chen CF, et al. Honokiol protects rat brain from focal cerebral ischemia-reperfusion injury by inhibiting neutrophil infiltration and reactive oxygen species production. *Brain Res*. 2003 Dec 5;992(2):159-66. PMID: 14625055.

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