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Product Information

Product ID M184770 CAS No. 68592-15-4

Chemical Name 2-(4-Methoxy-3-prop-2-enylphenyl)-4-prop-2-enylphenol

Synonym 3,5'-Diallyl-2'-hydroxy-4-methoxybiphenyl, 4-0-methyl honokiol.

Formula C₁₉H₂₀O₂ Formula Wt. 280.37 Melting Point Purity ≥98% Solubility



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
M184770	5 mg	\$108.00
M184770	10 mg	\$196.20
M184770	25 mg	\$441.00
M184770	100 mg	\$1378.10

Store Temp 4°C

Ship Temp Ambient

Description 4-O-Methylhonokiol is a major bioactive constituent of Magnolia officinalis stem bark. In a study with C57BK/6J mice, 4-Omethylhonokiol prevented high-fat-diet induced obesity and insulin resistance, in addition to restoring impaired cardiac insulin signaling. In another study using female RjOrl mice, 4-O-methylhonokiol was shown to act as a central nervous system penetrating substrate-specific inhibitor of COX-2 and as a CB2 receptor agonist. Furthermore, in high-risk HPV-16 genotype SiHa cells, treatment with 4-O-methylhonokiol suppressed the PI3K/Akt signaling pathway thereby reducing the survival of the cells. 4-O-methylhonokiol has also shown several other biological activities including anti-inflammatory, antithrombotic, anti-anxiety, antimicrobial, and anti-HIV activities.

References Kim SC, Kang JI, Hyun JW, et al. 4-O-Methylhonokiol protects HaCaT cells from TFG-beta1-induced cell cycle arrest by regulating of canonical and non-canonical pathways of TGF-beta signaling. Biomol Ther (Seoul). 2017 Feb 13. [epub ahead of print] PMID: 28190316.

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Chicca A, Gachet MS, Petrucci V, et al. 4'-O-Methylhonokiol increases levels of 2-arachidonoyl glycerol in mouse brain via selective inhibition of its COX-2-mediated oxygenation. J Neuroinflammation. 2015 May 13;12:89. PMID: 25962384.

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