

Product Name: Honokiol

Product Number: H034

CAS Number: 35354-74-6

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

Molecular Weight: 266.33

Description: Honokiol is a bioactive component of *Magnolia obovata*, known for its medicinal properties in traditional Asian medicine. Researchers have been interested in its promising antitumor activity, and have reported honokiol inducing apoptosis and inhibiting angiogenesis in a variety of cancers including colon and breast cancer.

Honokiol has also demonstrated antibiofilm activity in *Candida albicans*, inhibiting the adhesion of planktonic fungal cells to a surface to begin biofilm formation.

Honokiol is soluble in organic solvents.

References: Fried, L. E., & Arbiser, J. L. (2009). Honokiol, a Multifunctional Antiangiogenic and Antitumor Agent. *Antioxidants & Redox Signaling*, 11(5), 1139-1148. doi:10.1089/ars.2009.2440

Sun, L., Liao, K., & Wang, D. (2015). Effects of Magnolol and Honokiol on Adhesion, Yeast-Hyphal Transition, and Formation of Biofilm by *Candida albicans*. *PLOS ONE PLoS ONE*, 10(2). doi:10.1371/journal.pone.0117695