

Product Data Sheet

Product Name: 2-Methoxy-4-vinylphenol

Cat. No.: GC62777

Chemical Properties

Cas. No. 7786-61-0

Formula $C_9H_{10}O_2$

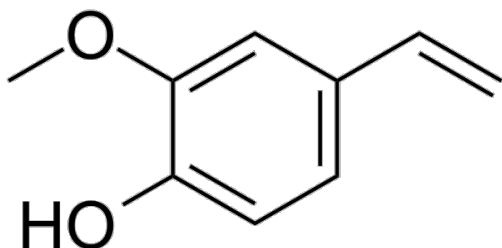
M.Wt 150.17

Solubility Storage Store at -20°C , stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

2-Methoxy-4-vinylphenol (2M4VP), a naturally Germination inhibitor, exerts potent anti-inflammatory effects[1][2].

2-Methoxy-4-vinylphenol (2M4VP) potently inhibits the translocation of NF- κ B p65 into the nucleus by I κ B degradation following I κ B- α phosphorylation and the phosphorylation of MAPKs such as p38, ERK1/2, and JNK[1]. 2-Methoxy-4-vinylphenol (2M4VP) inhibits hyper-acetylation of histone H3 (Lys9/Lys14) induced by LPS[1].

[1]. Jin Boo Jeong, et al. Anti-inflammatory Effect of 2-methoxy-4-vinylphenol via the Suppression of

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

NF- κ B and MAPK Activation, and Acetylation of Histone H3. Arch Pharm Res. 2011 Dec;34(12):2109-16.

[2]. Hossein Reza Darabi, et al. A Structure-Activity Relationship Study on a Natural Germination Inhibitor, 2-methoxy-4-vinylphenol (MVP), in Wheat Seeds to Evaluate Its Mode of Action. Z Naturforsch C J Biosci. Sep-Oct 2007;62(9-10):694-700.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA