

Product Data Sheet

Product Name: Isoeugenol

Cat. No.: GC60946

Chemical Properties

Cas. No. 97-54-1

SMILES OC1=CC=C(/C=C/C)C=C1OC

Formula $C_{10}H_{12}O_2$

M.Wt 164.2

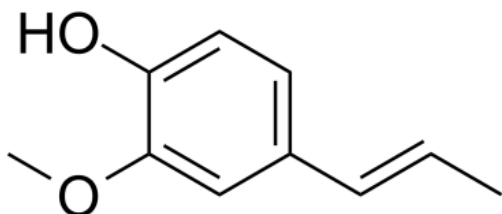
Solubility DMSO : 100mg/mL

Storage Store at -20°C

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

Isoeugenol is an essential oil constituent of nutmeg, clove, and cinnamon. Isoeugenol inhibits growth of *Escherichia coli* and *Listeria innocua* with MICs of 0.6 mg/mL and 1 mg/mL, respectively[1].

Isoeugenol's antibacterial activity covers a broad range of Gram-positive and Gram-negative bacteria, including *Escherichia coli*, *Bacillus licheniformis*, *Micrococcus luteus*, *Pseudomonas aeruginosa*, *Salmonella* type B, and *Staphylococcus aureus*[1].

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

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[1]. Hyldgaard M, et al. Isoeugenol has a non-disruptive detergent-like mechanism of action. Front Microbiol. 2015 Jul 28;6:754.

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