

Product Data Sheet

Product Name: Estragole

Cat. No.: GC46141

Chemical Properties

Cas. No. 140-67-0

SMILES COC1=CC=C(CC=C)C=C1

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

M.Wt 148.2

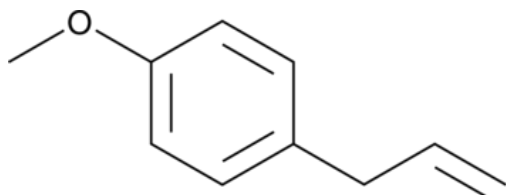
Solubility DMF: 10 mg/ml, Ethanol: Partially soluble

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

Estragole is a volatile compound that has been found in basil oil and has diverse biological activities.^{1,2,3,4} It induces mortality in 100% of adult *C. capitata*, *B. dorsalis*, and *B. cucurbitae* fruit flies exposed to wicks impregnated with estragole at concentrations greater than or equal to 2.5%.¹ Estragole (60 mg/kg) reduces carrageenan-induced paw edema in mice.² It increases survival in a mouse model of infection with the ME49 strain of *T. gondii* when administered at a dose of 100 mg/kg per day.³ Estragole (2.5 μmol/g, p.o., twice per week) increases the percentage of hepatoma-bearing mice and the average number of hepatomas per mouse in male, but not female, mice when administered prior to weaning.⁴

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

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