

Product Data Sheet

Product Name: α -Terpinene

Cat. No.: GC41501

Chemical Properties

Cas. No. 99-86-5

SMILES CC1=CC=C(C(C)C)CC1

Formula C₁₀H₁₆

M.Wt 136.2

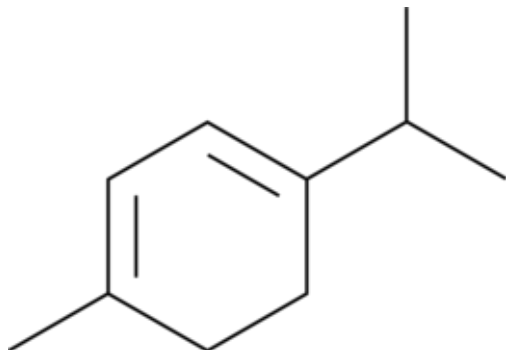
Solubility DMF: 20 mg/ml, DMSO: 20 mg/ml, Ethanol: 20 mg/ml, Ethanol: PBS (pH 7.2) (1:3): 0.25 mg/ml

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

α -Terpinene is a terpenoid that has been found in Cannabis and has diverse biological activities, including acaricidal, antiprotozoal, and antioxidant properties. α -Terpinene induces 99 and 46% mortality of male and female *T. putrescentiae* larvae, respectively, when administered at a dose of 32.3 μ l/L via inhalation. In mice infected with *T. evansi*, it increases longevity when used alone and decreases mortality when used in combination with diminazene aceturate. It also scavenges 2,2-diphenyl-1-picrylhydrazyl radicals when used at a concentration of 10 mM.

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

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