

Product Data Sheet

Product Name: α -Terpinyl acetate

Cat. No.: GC66197

Chemical Properties

Cas. No. 80-26-2

Formula $C_{12}H_{20}O_2$

M.Wt 196.29

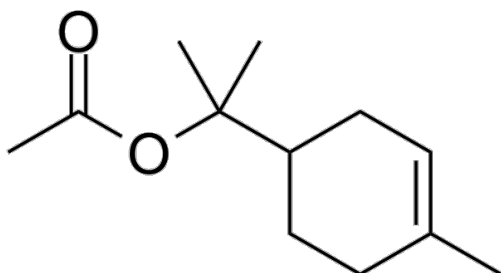
Solubility DMSO : 100 mg/mL (509.45 mM;
Need ultrasonic)

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 -Terpinyl acetate is a monoterpene ester isolated from *Laurus nobilis* L. essential oil. α -Terpinyl acetate is a competitive **P450 2B6** substrate which binding to the active site of P450 2B6 with a K_d value of 5.4 μ M^{[1][2]}.

The bupropion hydroxylation activity of P450 2B6 is inhibited by α -Terpinyl acetate with an IC_{50} value of 10.4 μ M and α -Terpinyl acetate is determined to be a competitive inhibitor of P450 2B6 with a K_i of

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

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7.6 ?μM^[2].

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