

Product Data Sheet

Product Name: (1R)- α -Pinene

Cat. No.: GC62729

Chemical Properties

Cas. No. 7785-70-8

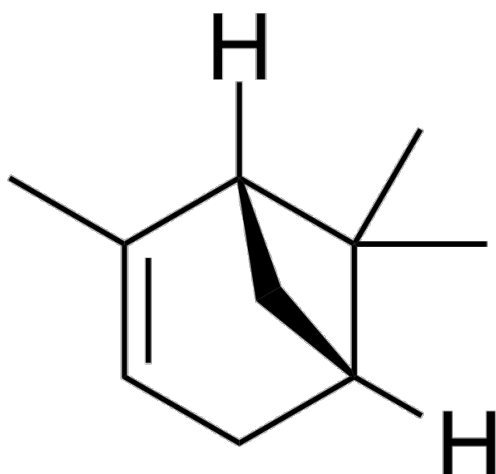
Formula $C_{10}H_{16}$ M.Wt 136.23

Solubility DMSO : 100 mg/mL (734.05 mM; Need ultrasonic) Storage Store at RT

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

(1R)- α -Pinene is a volatile monoterpene with antimicrobial activities. (1R)- α -Pinene reduces *Bacillus cereus* population growth, and exhibits repellent effects[1][2].

[1]. David I Yates, et al. *Sciadopitys verticillata* Resin: Volatile Components and Impact on Plant Pathogenic and Foodborne Bacteria. *Molecules*. 2019 Oct 19;24(20):3767.

[2]. Aaron T Haselton, et al. Repellency of α -pinene against the house fly, *Musca domestica*. *Phytochemistry*. 2015 Sep;117:469-475.

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

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