

Product Data Sheet

Product Name: α -Copaene

Cat. No.: GC18638

Chemical Properties

Cas. No. 3856-25-5

Chemical Name (1R,2S,6S,7S,8S)-1,3-dimethyl-8-(1-methylethyl)-tricyclo[4.4.0.0^{2,7}]dec-3-ene

SMILES CC1=CC[C@]2([H])[C@]3(C)[C@@]1([H])[C@@]2([H])[C@H](C(C)C)CC3

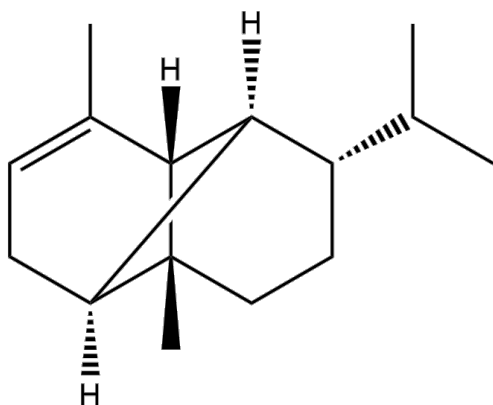
Formula C₁₅H₂₄ M.Wt 204.4

Solubility Chloroform: Slightly Soluble; Storage Store at -20°C
Methanol: Slightly Soluble

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 -Copaene is a sesquiterpene found in a variety of plants, including Cannabis, that has antiproliferative and antioxidant properties. It inhibits proliferation of primary rat neurons and N2a rat neuroblastoma cells in a concentration-dependent manner and cultured human lymphocytes when used at concentrations greater than 100 mg/L. α -Copaene (25 mg/L) increases total antioxidant capacity in primary rat neurons and N2a neuroblastoma cells, as well as cultured human

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

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lymphocytes, when used at concentrations of 50 and 100 mg/L.

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