

Product Data Sheet

Product Name: Isoborneol

Cat. No.: GC40668

Chemical Properties

Cas. No. 124-76-5

SMILES C[C@]1(C2(C)C)CC[C@@H]2C[C@H]1O

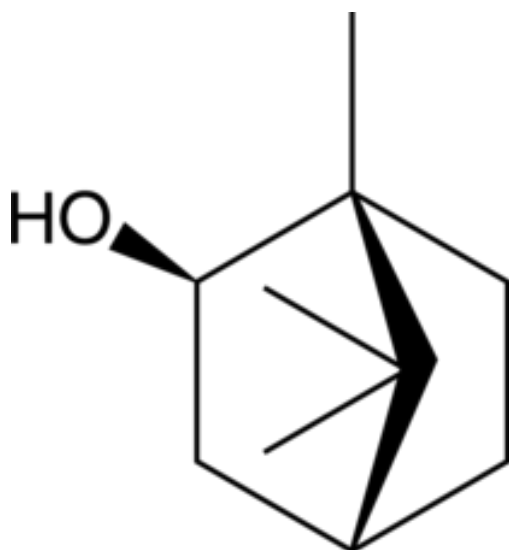
Formula C₁₀H₁₈O M.Wt 154.3

Solubility DMF: 25 mg/ml, DMF:PBS (pH 7.2) Storage Store at -20°C
(1:2): 0.33 mg/ml, DMSO: 15 mg/ml, Ethanol: 15 mg/ml

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

Isoborneol is a monoterpene alcohol that has been found in a variety of plants, including *C. sativa*, *C. indica*, and *C. sativa/C. indica* hybrid strains, with neuroprotective and antiviral activities. It reduces SH-SY5Y cell death induced by 6-OHDA when used at concentrations ranging from 2.5 to 10 µM via inhibition of apoptosis, reducing increases in intracellular levels of reactive oxygen species (ROS),

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

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and preventing decreases in the mitochondrial membrane potential. Isoborneol (0.03 and 0.06%) reduces HSV-1 viral replication by inhibiting viral protein synthesis. It inhibits the glycosylation of HSV-1 glycoprotein gB but has no effect on protein glycosylation in Vero cells.

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