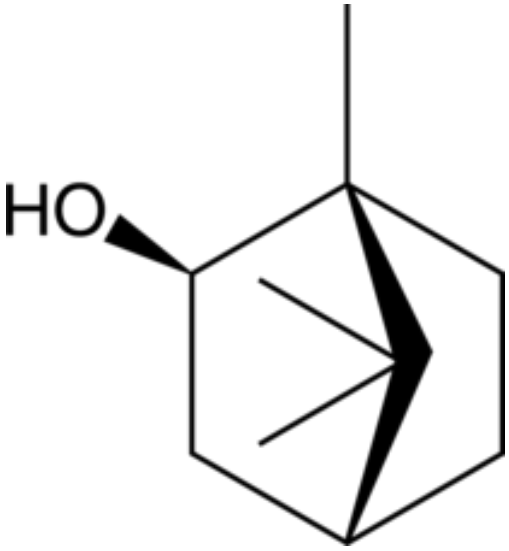
Product Data Sheet

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) (1:2): 0.33 mg/ml,DMSO: 15 mg/ml,Ethanol: 15 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

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),

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.