

Product Data Sheet

Product Name: 1,4-Cineole

Cat. No.: GC38726

Chemical Properties

Cas. No. 470-67-7

SMILES CC(C12CCC(O2)(C)CC1)C

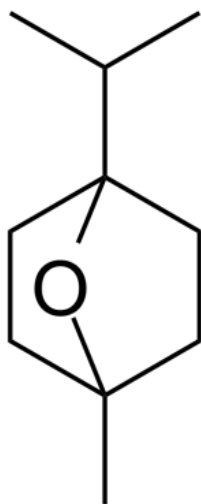
Formula $C_{10}H_{18}O$ M.Wt 154.25

Solubility DMSO: 125 mg/mL (810.37 mM) 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

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

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1,4-Cineole is a widely distributed, natural, oxygenated monoterpene[1]. 1,4-Cineole, present in eucalyptus oil, activates both human TRPM8 and human TRPA1[2].

[1]. Rosazza JP, et al. Microbial hydroxylation of 1,4-cineole. Appl Environ Microbiol. 1987 Oct;53(10):2482-6. [2]. Takaishi M, et al. 1,8-cineole, a TRPM8 agonist, is a novel natural antagonist of human TRPA1. Mol Pain. 2012 Nov 29;8:86.

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