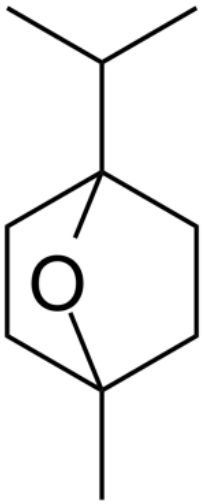
Product Data Sheet

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

Product Data Sheet

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.

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