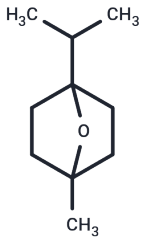
Data Sheet (Cat.No.TQ0001)

TargetMol

1,4-Cineole

Chemical Properties



CAS No. : 470-67-7

Formula: C10H18O

Molecular Weight: 154.25

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	1,4-Cineole (Isocineole) is a natural, oxygenated monoterpene. 1,4-Cineole can activate both human TRPM8 and human TRPA1.
Targets(IC50)	Endogenous Metabolite,TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 50 mg/mL (324.15 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (12.97 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.483 mL	32.4149 mL	64.8298 mL
5 mM	1.2966 mL	6.483 mL	12.966 mL
10 mM	0.6483 mL	3.2415 mL	6.483 mL
50 mM	0.1297 mL	0.6483 mL	1.2966 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481