

2-Hydroxy-1,8-cineole Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 2-Hydroxy-1,8-cineole

Catalog No.: CFN97032

Cas No.: 60761-00-4

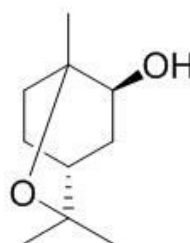
Purity: > 95%

M.F: C₁₀H₁₈O₂

M.W: 170.25

Physical Description: Oil

Synonyms: (1S,4R,6S)-1,3,3-trimethyl-2-oxabicyclo[2.2.2]octan-6-ol.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The fruits of *Amomum tsaoko*.

[Biological Activity or Inhibitors]

2-endo-Hydroxy-1,8-cineole shows antimicrobial and bactericidal activities against against

test bacteria (*Staphylococcus aureus*, *Escherichia coli*, and *Pseudomonas fluorescens*).^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

GC-MS :

Flow rate of gas (He): 0.7mL / min;

Column temperature: From 37 °C to 200 °C at the rate of 6 °C/min and from 200 °C to 330 °C at a rate of 15 °C/min ;

Vent flow rate of gas (He): 200mL / min;

Ion source temperature: 180 °C;

Electron Energy: 70eV;

Mass scan range: 30–300 amu.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] And M M, Hashimoto Y. *J. Agr. Food Chem.*, 2002, 50(12):3522-6.

[2] Duisken M, Sandner F, Blömeke B, *et al. B. B.A. Gen. Subjects*, 2005, 1722(3):304-11.

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