

Oplodiol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Oplodiol

Catalog No.: CFN99440

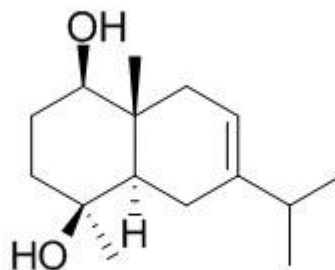
Cas No.: 13902-62-0

Purity: > 95%

M.F: C₁₅H₂₆O₂

M.W: 238.4

Physical Description: Powder



Synonyms: (1S)-1,2,3,4,4a,5,8,8a-Octahydro-1,4aβ-dimethyl-7-isopropyl-1,4β-naphthalenediol; (1S,4R,4aR,8aR)-1,2,3,4,4a,5,8,8a-Octahydro-1,4a-dimethyl-7-(1-methylethyl)-1,4-naphthalenediol.

[Intended Use]

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

[Source]

The branch of *Platycladus orientalis*.

[Biological Activity or Inhibitors]

Oplodiol exhibits noteworthy anti-plasmodial activity against *Plasmodium falciparum* strains.^[1]

Oplodiol has a stimulative effect on significantly proliferation and differentiation of culture osteoblasts.^[2]

Oplodiol shows moderate cytotoxic effects on the human lung adenocarcinoma A549 with IC₅₀ values at 25.5 ug/mL.^[3]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] Tchuendem M H, Mbah J A, Tsopmo A, *et al. Phytochemistry*, 1999, 52(6):1095-9.

[2] Hu Y M, Liu C, Cheng K W, *et al. Phytochemistry*, 2008, 69(12):2367-73.

[3] Zhao J, Wu J, Yan F L. *Nat. Prod. Res.*, 2014, 28(20):1-5.

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