

Coronarin A Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Coronarin A

Catalog No.: CFN99301

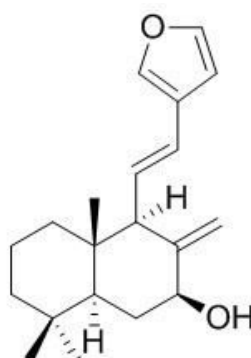
Cas No.: 119188-33-9

Purity: > 95%

M.F: C₃₀H₅₀O₃

M.W: 300.4

Physical Description: Powder



Synonyms: (2S,4R,4aS,8aS)-4-[(E)-2-(3-Furyl)vinyl]-4a,8,8-trimethyl-3-methylenedecahydro-2-naphthalenol.

[Intended Use]

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

[Source]

The rhizomes of *Hedychium coronarium*.

[Biological Activity or Inhibitors]

Coronarin A exhibits good growth inhibition activities on HUVEC proliferation, it effectively suppresses the growth factor induced tube formation of HUVEC at the concentration of 10 microg/mL.^[1]

Coronarins A, B, C, and D are cytotoxic principles from the rhizomes of *Hedychium coronarium*, Zingiberaceae.^[2]

Coronarins A has anti-inflammatory activity, it exhibits potent inhibition ($IC_{50} < 6.1708 \mu\text{g/mL}$) against fMLP-induced superoxide production and elastase release.^[3]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] Oh S, Jeong I H, Shin W S, *et al. Bioorg. Med. Chem. Lett.*, 2003 Jun 16;13(12): 2009-12.

[2] Itokawa H, Morita H, Katou I, *et al. Planta Med.*, 1988, 54(54):311-5.

[3] Chen J, Wu Y, Ding J, *et al. Planta Med.*, 2011, 77(12):1344-1344.

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