

Dimeric coniferyl acetate Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Dimeric coniferyl acetate

Catalog No.: CFN99853

Cas No.: 184046-40-0

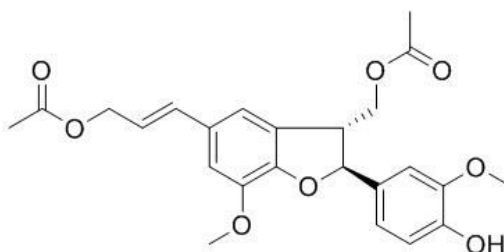
Purity: > 95%

M.F: C₂₄H₂₆O₈

M.W: 442.5

Physical Description: Powder

Synonyms: (2E)-3-[(2S,3R)-3-(Acetoxymethyl)-2-(4-hydroxy-3-methoxyphenyl)-7-methoxy-2,3-dihydro-1-benzofuran-5-yl]-2-propen-1-yl acetate; Dehydrocycloquanandin.



[Intended Use]

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

[Source]

The herbs of *Jatropha integerrima*.

[Biological Activity or Inhibitors]

Dimeric coniferyl acetate shows strong NO inhibition with IC₅₀ values of 27.1 uM in lipopolysacchhalide (LPS)-activated murine macrophage-like J774.1 cells.^[1]

Dimeric coniferyl acetate exhibits significant inhibitory effects on the nitric oxide production in lipopolysaccharide activated C57BL6/J mouse macrophages.^[2]

[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] Than M M, Banskota A H, Tezuka Y, *et al. Journal of Traditional Medicines*, 2003, 20: 22-9.

[2] Guo Q, Li Y, Liu Y B, *et al. J. Asian Nat. Prod. Res.*, 2014, 16(1):1-10.

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