

9,9'-Di-O-(E)-feruloylsecoisolariciresinol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 9,9'-Di-O-(E)-feruloylsecoisolariciresinol

Catalog No.: CFN98956

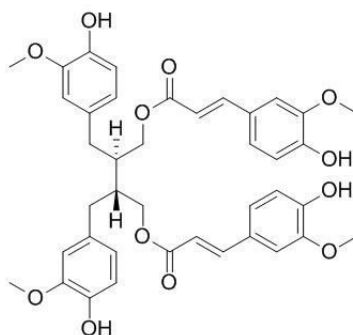
Cas No.: 56973-66-1

Purity: > 95%

M.F: C₄₀H₄₂O₁₂

M.W: 714.8

Physical Description: Powder



Synonyms: 1,4-O-Diferuloylsecoisolariciresinol; Secoisolariciresinol diferulate.

[Intended Use]

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

[Source]

The herbs of *Betula ermanii*.

[Biological Activity or Inhibitors]

(+)-9,9'-O-Diferuloylsecoisolariciresinol has significant cytotoxic activity against the

DU145, LNCaP, and A549 cell lines.^[1]

1,4-O-Diferuloylsecoisolariciresinol(9,9'-Di-O-(E)-feruloylsecoisolariciresinol), and pierreione B, two novel inhibitors of mTOR signaling, have strong anticancer activity.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 231 nm.

[Storage]

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

[References]

[1] Lin R J, Cheng M J, Chen W Y, *et al. Chemistry of Natural Compounds*, 2014, 50(6): 978-81.

[2] Yan J, Zhou H, Kong L, *et al. Cancer Chemother. Pharmacol.*, 2013 Oct; 72(4): 799-808.

[3] Chen J J, Yang C C, Chen I S, *et al. J. Nat. Prod.*, 2008 Jun; 71(6): 1016-21.

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