



Pinoresinol diacetate Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Pinoresinol diacetate

Catalog No.: CFN98420

Cas No.: 32971-25-8

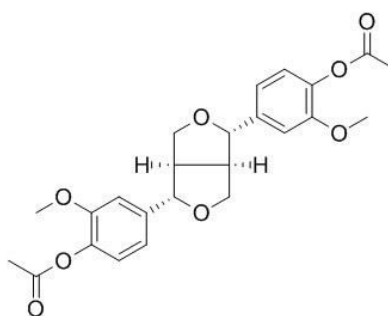
Purity: > 98%

M.F: C₂₄H₂₆O₈

M.W: 442.5

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The bark of *Eucommia ulmoides* Oliver.

[Biological Activity or Inhibitors]

Pinoresinol and its glycosides have been demonstrated as α -glucosidase inhibitory agents, pinoresinol diglucoside was proposed to be a putative key compound for α -glucosidase inhibition in *A. arguta*, suggests that the anti-diabetic effect of a pinoresinol-containing fraction of *A. arguta* and would be useful for its application as a natural α -glucosidase inhibitor.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol -H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Kwon D, Kim G D, Kang W, *et al. J. Korean Soc. Appl. Bi.*, 2014, 57(4):473-9.

[2] Feng S, Ni S, Sun W. *J. Liq. Chromatogr. R. T.*, 2007, 30(1):135-45.

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