

Pinoresinol diglucoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Pinoresinol diglucoside

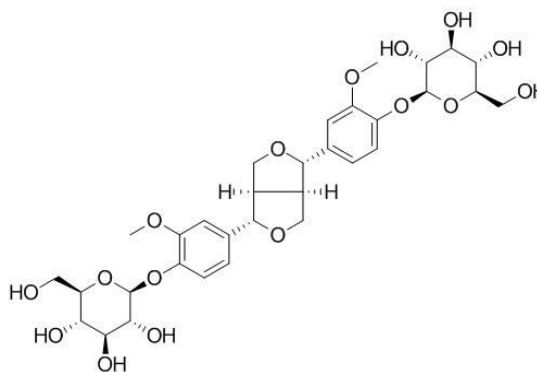
Catalog No.: CFN99994

Cas No.: 63902-38-5

Purity: > 98%

M.F: C₃₂H₄₂O₁₆

M.W: 682.67



Physical Description: White powder

Synonyms: (2S,3R,4S,5S,6R)-2-[4-[(3S,3aR,6S,6aR)-6-[3-methoxy-4-[[[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)-2-oxanyl]oxy]phenyl]-1,3,3a,4,6,6a-hexahydrofuro[3,4-c]furan-3-yl]-2-methoxyphenoxy]-6-(hydroxymethyl)oxane-3,4,5-triol.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Ingredient in supplements, beverages;
8. Others.

[Source]

The bark of *Eucommia ulmoides*.

[Biological Activity or Inhibitors]

Pinoresinol diglucoside, a major antihypertensive principle of Tu-Chung (*Eucommia ulmoides*, Oliver).^[1]

Pinoresinol diglucoside is a putative α -glucosidase inhibiting compound in *Actinidia arguta* leaves.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Methanol-H₂O=20:80 ;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 227 nm.

[Storage]

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

[References]

[1] Sih C J, Ravikumar P R, Huang F C, *et al. J. Am. Chem. Soc.*, 1976, 98(17):5412-3.

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

[3] Lin B, Shuai N. *Chinese Journal of Drug Application & Monitoring*, 2013(3):147-9.

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