

Tachioside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Tachioside

Catalog No.: CFN99092

Cas No.: 109194-60-7

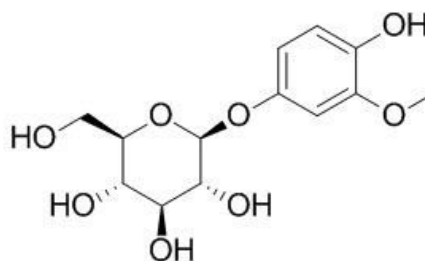
Purity: > 98%

M.F: C₁₃H₁₈O₈

M.W: 302.3

Physical Description: Powder

Synonyms: 1-O-(4-Hydroxy-3-methoxyphenyl)-β-D-glucopyranose.



[Intended Use]

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

[Source]

The barks of *Pinus yunnanensis*.

[Biological Activity or Inhibitors]

Tachioside (4-hydroxy-3-methoxy-phenyl-1-O-glucoside), a known phenolic glycoside, was isolated from various bamboo species, has a significant antioxidant activity.^[1]

Tachioside has anti-allergic inflammatory activities.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[3]

Mobile phase: Methanol- 0.5%Formic acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 273 nm..

[Storage]

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

[References]

[1] Li T, Park M H, Kim M J, *et al. Food Sci. Biotechnol.*, 2008, 17(6):1376-8.

[2] Choi H G, Lee H D, Kim S H, *et al. Nat. Prod. Commun.*, 2013, 8(8):181-2.

[3] Liu S K, Que S, Chen W, *et al. Traditional Chinese Medicine*, 2013, 38 (14): 24-37.

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