

Astringin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Astringin

Catalog No.: CFN92486

Cas No.: 29884-49-9

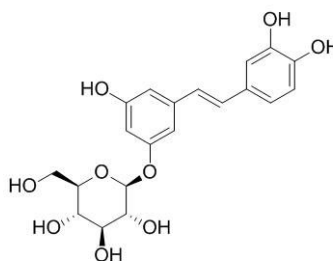
Purity: >=98%

M.F: C₂₀H₂₂O₉

M.W: 406.38

Physical Description: Powder

Synonyms: 3-[(E)-2-(3,4-dihydroxyphenyl)ethenyl]-5-hydroxyphenyl-beta-D-glucopyranoside.



[Intended Use]

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

[Source]

The fruits of *Vitis vinifera* L.

[Biological Activity or Inhibitors]

Astringinin is a potent antiarrhythmic agent with cardioprotective activity in ischemic and ischemic-reperfused rat heart, the beneficial effects of astringinin in the ischemic and ischemic-reperfused hearts may be correlated with its antioxidant activity and upregulation of NO production.^[1]

Astringinin can significantly attenuate proinflammatory responses and hepatic injury after trauma-hemorrhage, the salutary effects of astringinin administration on attenuation of hepatic injury following trauma-hemorrhage are likely due to reduction of pro-inflammatory mediator levels.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: 20mM Acetic acid in water- Acetonitrile, gradient elution ;

Flow rate: 0.5 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 298 nm.

[Storage]

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

[References]

[1] Hung L M, Chen J K, Lee R S, *et al. Free radical Bio. Med.*, 2001, 30(8):877-83.

[2] Huang Y S, Liu F C, Li A H, *et al. Chinese Journal of Physiology*, 2011, 54(3):183-9.

[3] Carando S, Teissedre P L, Waffo-Tégou P, *et al. J. Chromatogr. A*, 1999, 849(2): 617-20.

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