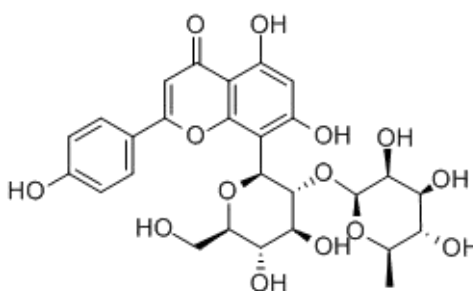


Vitexin-2''-O-rhamnoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Vitexin-2''-O-rhamnoside**Catalog No.:** CFN98177**Cas No.:** 64820-99-1**Purity:** >=98%**M.F:** C₂₇H₃₀O₁₄**M.W:** 578.52**Physical Description:** Yellow powder**Synonyms:** 2-O-Rhamnosylvitexin; (1S)-1,5-anhydro-2-O-(6-deoxy-α-L-mannopyranosyl)-1-[5,7-dihydroxy-2-(4-hydroxyphenyl)-4-oxo-4H-chromen-8-yl]-D-glucitol.

[Intended Use]

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

[Source]

The leaves of *Crataegus pinnatifida* Bunge.

[Biological Activity or Inhibitors]

Vitexin-2"-O-rhamnoside (VOR) and vitexin-4"-O-glucoside (VOG) are the two main flavonoid glycosides of the leaves of *Cratagus pinnatifida* Bge. var. major N. E. Br. that has been widely used for the treatment of cardiovascular system diseases; both VOR and VOG contribute to the protection against H₂O₂-mediated oxidative stress damage and could be safely used for a wide range of concentrations. [1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Tetrahydrofuran- Acetonitrile-0.05% Phosphoric acid H₂O=20:3:77;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 360 nm.

[Storage]

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

[References]

[1]Wei W, Ying X, Zhang W, *et al.* *J. Pharm. Pharmacol.*, 2014, 66(7):988-97.

[2] Wang C H, Wang Y X, Liu H J. *J. Pharmaceut. Anal.*, 2011, 1(4):291-6.

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