

Rhaponiticin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Rhaponiticin

Catalog No.: CFN98569

Cas No.: 155-58-8

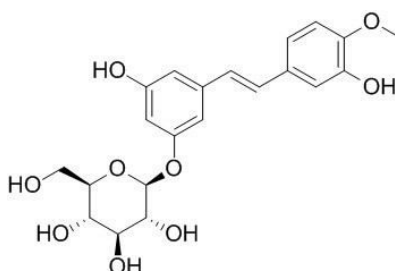
Purity: >=98%

M.F: C₂₁H₂₄O₉

M.W: 420.39

Physical Description: Powder

Synonyms: 3-Hydroxy-5-[2-(3-hydroxy-4-methoxyphenyl)vinyl]phenyl-beta-D-glucopyranoside; 3,3',5-Trihydroxy-4'-methoxystilbene 3-o- β -d-glucoside.



[Intended Use]

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

[Source]

The roots of *Rumex obtusifolius* L.

[Biological Activity or Inhibitors]

Rhaponticin from rhubarb rhizomes, can alleviate liver steatosis and improve blood glucose and lipid profiles in KK/Ay diabetic mice, indicates that rhaponticin has a noticeable antidiabetic effect and could be potentially used as a new agent to treat type 2 diabetes mellitus and its complications. ^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile- Methanol -H₂O=6:25:69;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 320 nm.

[Storage]

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

[References]

[1] Chen J, Ma M, Lu Y, *et al. Planta Med.*, 2009, 75(5):472-7.

[2] Jiang Y, Zhu H. *Chinese Journal of Modern Applied Pharmacy*, 2011, 28(10):959-61.

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