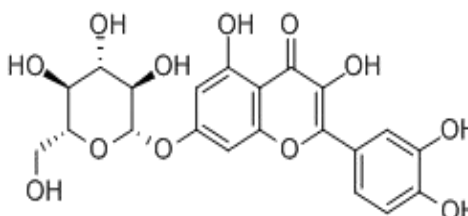


Quercetin-7-O-beta-D-glucopyranoside Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Quercetin-7-O-beta-D-glucopyranoside**Catalog No.:** CFN99771**Cas No.:** 491-50-9**Purity:** >=98%**M.F:** C₂₁H₂₀O₁₂**M.W:** 464.38**Physical Description:** Powder**Synonyms:**

C.I.75710; Quercimeritrin; 2-(3,4-dihydroxyphenyl)-3,5-dihydroxy-4-oxo-4H-chromen-7-yl beta-D-glucopyranoside; 2-(3,4-dihydroxyphenyl)-3,5-dihydroxy-4-oxo-4H-chromen-7-yl hexopyranoside.

**[Intended Use]**

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

[Source]

The herbs of *Rostellularia procumbens*.

[Biological Activity or Inhibitors]

Quercetin-7-O-beta-D-glucopyranoside has antibacterial activity, it shows promising activity against *Staphylococcus aureus*.^[1]

Quercetin 7-O-beta-D-glucopyranoside exhibits strong antioxidative activity.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile- Phosphoric acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Calvo T R, Demarco D, Santos F V, *et al. Nat. Prod. Commun.*, 2010, 5(8):1225-32.

[2] Lee J Y, Chang E J, Kim H J, *et al. Arch. Pharm. Res.*, 2002, 25(3):313-9.

[3] Xue P, Zhao Y, Wang B, *et al. J. Chromatogr. Sci.*, 2007, 45(4):216-9.

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