

Quercetin 3-O-robinobioside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Quercetin 3-O-robinobioside

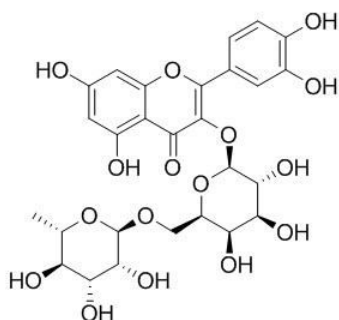
Catalog No.: CFN98861

Cas No.: 52525-35-6

Purity: >95%

M.F: C₂₇H₃₀O₁₆

M.W: 610.5



Physical Description: Yellow powder

Synonyms: 3-[[6-O-(6-Deoxy- α -L-mannopyranosyl)- β -D-galactopyranosyl]oxy]-2-(3,4-dihydroxyphenyl)-5,7-dihydroxy-4H-1-benzopyran-4-one; Quercetin-3- β -robinobioside; Quercetin 3-O- β -D-robinobioside; Quercetin 3-O- β -D-robinoside; Quercetin 3-rhamnosyl-(1-6)-galactoside.

[Intended Use]

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

[Source]

The herbs of *Callicarpa bodinieri* Levl.

[Biological Activity or Inhibitors]

Quercetin-3-O-robinobioside is a quercetin-derived flavonol, exhibits antioxidant activities.^[1]

Quercetin-3-O-robinobioside exhibits in-vitro inhibitory activities against leukemia K562 cells.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile- 0.1%Phosphoric acid H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 370 nm.

[Storage]

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

[References]

[1] Ozga J A, Saeed A, Wismer W, *et al. J. Agr.Food Chem.*, 2007, 55(25):10414-24.

[2] Cong Y, Guo J, Wang T, *et al. China Journal of Chinese Materia Medica*, 2009, 34(14):1816-8.

[3] Lai X Y, Hong L, Zhao Y Y, *et al. J.Chromatogr. Sci.*, 2009, 47(3):206-10.

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