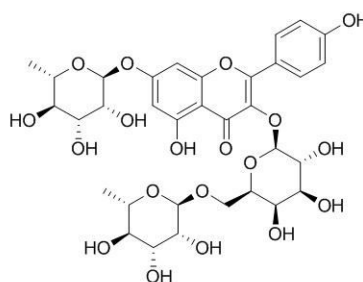


Robinin Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Robinin**Catalog No.:** CFN98375**Cas No.:** 301-19-9**Purity:** > 95%**M.F:** C₃₃H₄₀O₁₉**M.W:** 740.66**Physical Description:** Yellow powder**Synonyms:** Kaempferol-3-robinoside-7-rhamnoside; 7-[(6-deoxy-alpha-L-mannopyranosyl)oxy]-5-hydroxy-2-(4-hydroxyphenyl)-4-oxo-4H-chromen-3-yl-6-O-(6-deoxy-alpha-L-mannopyranosyl)-beta-D-galactopyranoside.**[Intended Use]**

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

[Source]The barks of *Rauvolfia yunnanensis* Tsiang.

[Biological Activity or Inhibitors]

Robinin has cardioprotective nature on doxorubicin-induced cardiac toxicity by modulating TGF- β 1 signaling pathway in Sprague Dawley rats.^[1]

Robinin has nephroprotective activity.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: 5% Methanol in phosphate buffer (0.01M, pH2.0)- (THF:i-PrOH:MeOH:H₂O, 150:200:67.5:32.5) = 60:40 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 380 nm.

[Storage]

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

[References]

[1] Janeesh P A, Abraham A. *Biomed. Pharmacother.* , 2014, 68(8):989-98.

[2] Lysiuk R, Darmohray R, Mykhailovska V. *Technological and biopharmaceutical aspects of drugs developing with different orientation of action.* 2015.

[3] Tsiklauri L K, An G, Alania M D, *et al.* *Pharm.Chem. J.*, 2012, 46(1):64-7.

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