



Kaempferol-3-O-glucorhamnoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Kaempferol-3-O-glucorhamnoside

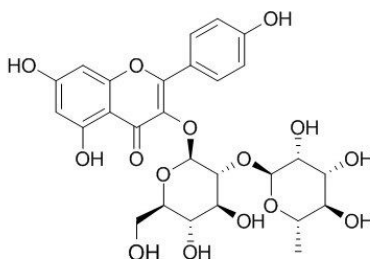
Catalog No.: CFN90697

Cas No.: 40437-72-7

Purity: > 98%

M.F: C₂₇H₃₀O₁₅

M.W: 594.16



Physical Description: Yellow powder

Synonyms: 3-[(6-Deoxy-O-beta-D-glucopyranosyl-alpha-L-mannopyranosyl)oxy]-5,7-dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one.

[Intended Use]

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

[Source]

The herbs of *Thesium chinense Turcz.*

[Biological Activity or Inhibitors]

Kaempferol-3-O-glucorhamnoside exhibits significant antioxidant activity by scavenging stable DPPH free radicals. ^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

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: 344 nm.

[Storage]

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

[References]

[1] Asres K, Gibbons S, Bucar F, *et al. Ethiopian Pharmaceutical Journal*, 2006, 24(1):24-8.

[2] Tan J B, Huang M J, Zeng G Y, *et al. Central South Pharmacy*, 2009, 7(3):177-9.

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