

Kaempferol-7-O-D-glucopyranoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Kaempferol-7-O-D-glucopyranc

Catalog No.: CFN90150

Cas No.: 16290-07-6

Purity: >=98%

M.F: C₂₁H₂₀O₁₁

M.W: 448.38

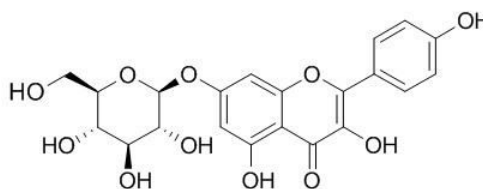
Physical Description: Yellow powder

Synonyms: Populnin; 7-[(β -D-Glucopyranosyl)oxy]-3,4',5-trihydroxyflavone;

2-(4-Hydroxyphenyl)-3,5-dihydroxy-7-(β -D-glucopyranosyloxy)-4H-1-benzopyran-4-one;

Kaempferol-7-O- β -D-glucopyranoside; Glucosyl-7-kaempferol;

Kaempferol 7-monoglucoside.



[Intended Use]

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

[Source]

The herbs of *Hosta plantaginea*.

[Biological Activity or Inhibitors]

Kaempferol 7-O-beta-d-glucopyranoside (KF7G), a novel supercoolant could be used to sub-zero non-freezing rat heart preservation.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Methanol- 0.5 % Phosphate acid H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 364 nm.

[Storage]

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

[References]

[1] Shimada S., Motomura N., Kinoshita O., *et al. Transplantation*, 2010, 90:444.

[2] He J, Gao Y, Li W M. *Traditional Chinese Drug Research & Clinical Pharmacology*, 2010, 21(2):192-4

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