



Isorhamnetin 3-glucoside-7-rhamnoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Isorhamnetin 3-glucoside-7-rhamnoside

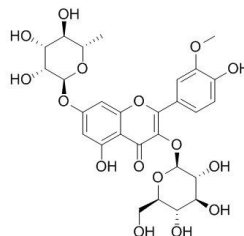
Catalog No.: CFN90739

Cas No.: 17331-71-4

Purity: >=95%

M.F: C₂₈H₃₂O₁₆

M.W: 624.54



Physical Description: Yellow powder

Synonyms: 2-(3,4-dimethoxyphenyl)-5-hydroxy-3-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-7-[(2S,3R,4R,5R,6S)-3,4,5-trihydroxy-6-methyloxan-2-yl]oxychromen-4-one.

[Intended Use]

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

[Source]

The herbs of *Hippophae rhamnoides* Linn.

[Biological Activity or Inhibitors]

An anti-oxidative composition containing isorhamnetin-3-glucoside-7-rhamnoside (IGR) isolated from *Hippophae rhamnoides* L. is provided to ensure antioxidative, antibacterial, and anti-cancer effect; a cosmetic composition for preventing or treating aging contains IGR compound as an active ingredient; a health food composition for antioxidant contains IGR as an active ingredient; a pharmaceutical composition for antibacterial and anticancer contains IGR as an active ingredient.^[1]

[Solvent]

Pyridine, DMSO, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: 5% Formic acid in water- H₂O- Acetonitrile, gradient elution ;

Flow rate: 3.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Kim M J, Park J H, LEE J W, *et al.* WO/2013/015519[P]. 2013.

[2] A. I. Peña-Neira, Cáceres A, Pastenes C. *Food Sci. Technol. Int.*, 2007, 13(2):153-8.

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