

Methyl hesperidin Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Methyl hesperidin

Catalog No.: CFN99584

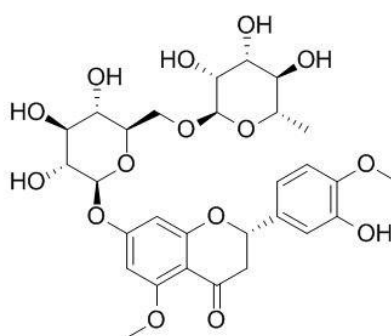
Cas No.: 11013-97-1

Purity: >=98%

M.F: C₂₉H₃₆O₁₅

M.W: 624.59

Physical Description: Powder



Synonyms: (2S)-2-(3,4-dimethoxyphenyl)-5-hydroxy-4-oxo-3,4-dihydro-2H-chromen-7-yl
6-O-(6-deoxy-alpha-L-mannopyranosyl)-beta-D-mannopyranoside.

[Intended Use]

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

[Source]

The herbs of *Hypericum monogynum* L.

[Biological Activity or Inhibitors]

Methyl hesperidin has potentiating effect on coronary vasodilation induced by adenosine or related compounds.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-0.025 M Potassium dihydrogen phosphate(add 5 mL triethylamine per litre,and adjusted to pH 3.0 with phosphoric acid)=25:75;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 282 nm.

[Storage]

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

[References]

[1] Tsunoo M, Kawazoe K, Iwata Y, *et al. Arzneimittelforschung*,1967,17(8):979-80.

[2] Li J M, Long Y, Huang S R, *et al. Chinese Pharmaceutical Journal*, 2010, 45(1):60-3.

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