Natural Products

ChemFaces

Hesperetin 7-O-glucoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Hesperetin 7-O-glucoside

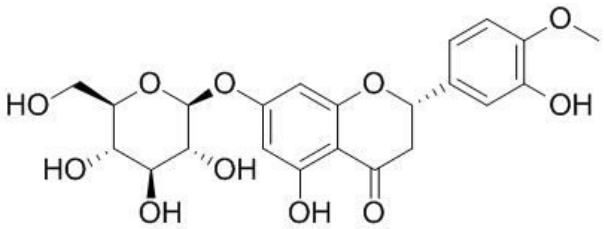
Catalog No.: CFN98405

Cas No.: 31712-49-9

Purity: 98%

M.F: $C_{22}H_{24}O_{11}$

M.W: 464.4



Physical Description: Powder

Synonyms: Glucohesperetin; Hesperetin 7-O-beta-D-glucoside.

[Intended Use]

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

[Source]

The herb of *Mentha aquatica*.

[Biological Activity or Inhibitors]

Hesperetin 7-O-glucoside and prunin are direct precursors of naringin and neohesperidin, respectively, in C. aurantium, because of the capacity of glucosyltransferase from cell-free extracts of C. aurantium tissues to glucosylate naringenin and hesperetin .[1]

[Solvent]

Pyridine, DMSO, Methanol.

[HPLC Method][2]

HPLC-MS:

Mobile phase: 0.1% Formic acid in acetonitrile: 0.1% Formic acid in H2O;

Flow rate: 0.32 ml/min;

Column temperature: Room Temperature;

Flow rate of dring gas : 9.0 L/min;

Flow rate of sheath gas : 12.0 L/min;

Sheath gas temperature: 350 ℃;

Nebulizer pressure:40 psi;

The capillary voltage: 4000V;

The nozzlevoltage:1000V.

[Storage]

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

[References]

[1] Castillo J, Benavente O, Rio J A D. *J. Agr .Food Chem., 1993, 41(11):1920-4.*

[2] Escudero-López B, Cerrillo I, Herrero-Martín G, *et al. J. Agr. Food Chem., 2013,61(37): 8773-82.*

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