



Luteolin-7-O-glucuronide Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Luteolin-7-O-glucuronide

Catalog No.: CFN98512

Cas No.: 56324-53-9

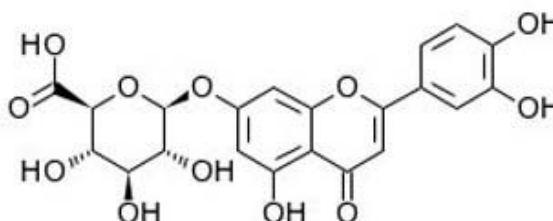
Purity: > 98%

M.F: C₂₁H₁₈O₁₂

M.W: 462.36

Physical Description: Yellow powder

Synonyms: Luteolin-7-beta-D-glucuronide.



[Intended Use]

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

[Source]

The herbs of *Marchantia berteroana*.

[Biological Activity or Inhibitors]

Luteolin-7-O-glucuronide has anti-inflammatory activity.^[1]

Luteolin 7-O-glucuronide shows potent α -glucosidase inhibitory effect with IC₅₀ values of 14.7 μ M, it also exhibits moderate α -amylase activity with IC₅₀ values 61.5 μ M.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile-4% Aqueous phosphoric acid solution=18:82 ;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 348 nm.

[Storage]

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

[References]

[1] Jeyadevi R, Sivasudha T, Rameshkumar A, *et al. Inflamm.Res.*, 2013, 62(1):115-26.

[2] Behvar Asghari, Peyman Salehi, Ali Sonboli, *et al. Iran. J. Pharm. Res.*, 2015, 14(2): 609-15.

[3] Zhao K X, Su D, Zhao X M, *et al. Chinese Journal of Pharmaceutical Analysis*, 2010, 30(6):1019-21.

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