

Catechin 7-xyloside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Catechin 7-xyloside

Catalog No.: CFN98665

Cas No.: 42830-48-8

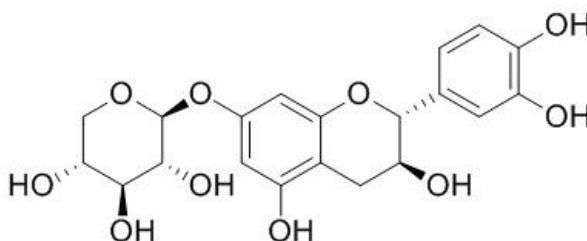
Purity: > 98%

M.F: C₂₀H₂₂O₁₀

M.W: 422.4

Physical Description: Oil

Synonyms: (2S,3R,4S,5R)-2-[[[(2R,3S)-2-(3,4-dihydroxyphenyl)-3,5-dihydroxy-3,4-dihydro-2H-1-benzopyran-7-yl]oxy]oxane-3,4,5-triol.



[Intended Use]

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

[Source]

The herbs of *Spiraea hypericifolia* L.

[Biological Activity or Inhibitors]

Catechin-7-O-xyloside, purified from ultrafine *U. davidiana* var. *japonica* ethanol extract, it induces apoptosis via endoplasmic reticulum stress and mitochondrial dysfunction in human non-small cell lung carcinoma H1299 cells, suggests that it has anti-cancer activity.^[1]

[Solvent]

Pyridine, DMSO, Methanol, Hot water, etc.

[HPLC Method]^[2]

Mobile phase: Methanol- Acetic acid -H₂O=15:1:85;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 278 nm.

[Storage]

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

[References]

[1] Yoon J W, Lee J S, Kim B M, *et al. Oncol. Rep.*, 2014, 31(1):314-20.

[2] Feng Y H, Li P, Wang X J, *et al. Med. Plant*, 2011(11).

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