

Neochamaejasmine A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Neochamaejasmine A

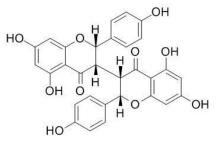
Catalog No.: CFN92151

Cas No.: 90411-13-5

Purity: > 95%

M.F: C₃₀H₂₂O₁₀

M.W: 542.5



Physical Description: Powder

Synonyms:(2R,2'R,3R,3'R)-rel-(+)-2,2',3,3'-Tetrahydro-5,5',7,7'-tetrahydroxy-2,2'-bis(4-h ydroxyphenyl)-[3,3'-bi-4H-1-benzopyran]-4,4'-dione.

[Intended Use]

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

[<u>Source</u>]

The roots of Stellera chamaejasme Linn.

[Biological Activity or Inhibitors]

Neochamaejasmin A, a biflavonoid isolated from the roots of a traditional Chinese medicine, Stellera chamaejasme L., can inhibit cellular (3)H-thymidine incorporation (IC 50 12.5 microg/mL) and subsequent proliferation of human prostate cancer LNCaP cells, it blocks cell cycle progression at the G1 phase by activating the p21 protein and ultimately promoting the Fas-caspase 8-caspase 3 apoptotic machinery.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: Methanol -H2O,gradient elution ; Flow rate: 1.0 ml/min; Column temperature: 30 ℃; The wave length of determination: 293 nm.

[Storage]

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

[References]

[1] Liu W K, Cheung F W, Liu B P, et al. J. Nat. Prod., 2008, 71(5):842-6.
[2]Wu Q S S, Wang Q H, Liu Y, et al. Chinese Traditional Patent Medicine, 2013, 35(2):350-3.

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