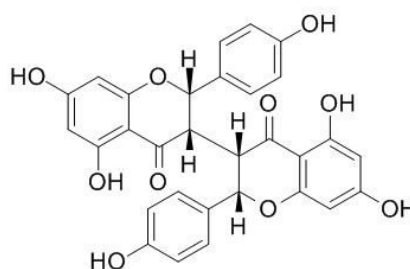


Neochamaejasmine A Datasheet

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-hydroxyphenyl)-[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.

[Source]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 (IC₅₀ 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 °C;

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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