

7,3'-Dihydroxy-5'-methoxyisoflavone Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 7,3'-Dihydroxy-5'-methoxyisoflavone

Catalog No.: CFN92389

Cas No.: 947611-61-2

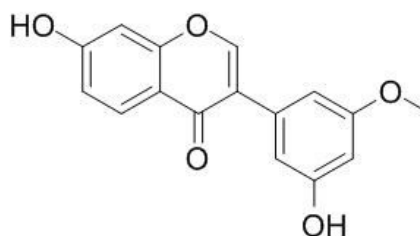
Purity: > 95%

M.F: C₁₆H₁₂O₅

M.W: 284.3

Physical Description: Yellow powder

Synonyms: 7-Hydroxy-3-(3-hydroxy-5-methoxyphenyl)-4H-1-benzopyran-4-one; Pteroson in E.



[Intended Use]

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

[Source]

The rhizomes of *Polygonatum kingianum*.

[Biological Activity or Inhibitors]

7,3'-Dihydroxy-5'-methoxyisoflavone shows moderate activity against the renal, melanoma and breast cancer cell lines, it may have a synergistic effect with other anticancer drugs.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 0.1% Formic acid in water- 0.1% Formic acid in methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 262 nm.

[Storage]

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

[References]

[1] Korir E, Kiplimo J J, Crouch N R, *et al. Afr. J. Tradit. Compl.*, 2014, 11(5):33-7.

[2] Yang X Z, Lv J N, Xu C, *et al. Journal of Yunnan University(Natural Sciences Edition)*, 2015, 37(1):134-9.

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