

2'-Hydroxydaidzein Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 2'-Hydroxydaidzein

Catalog No.: CFN97687

Cas No.: 7678-85-5

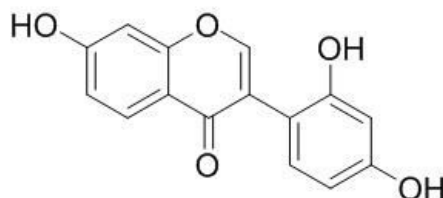
Purity: > 95%

M.F: C₁₅H₁₀O₅

M.W: 270.24

Physical Description: Yellow powder

Synonyms: 7,2',4'-Trihydroxyisoflavone; 3-(2,4-Dihydroxyphenyl)-7-hydroxy-4H-chromen-4-one.



[Intended Use]

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

[Source]

The herbs of *Crotalaria pallida*.

[Biological Activity or Inhibitors]

Apigenin and 2'-hydroxygenistein, isolated from *C. pallida*, show significant concentration-dependent inhibitory effects on the release of beta-glucuronidase and lysozyme from rat neutrophils in response to formyl-Met-Leu-Phe/cytochalasin B (fMLP/CB) with IC(50) values of 2.8+/-0.1 and 17.7+/-1.9, and 5.9+/-1.4 and 9.7+/-3.5 microM, respectively; they suppress chemical mediators in inflammatory cells, may have value in treatment and prevention of central and peripheral inflammatory diseases associated with excess production of chemical mediators.^[1]

2'-Hydroxygenistein is an isoflavonoid phytoalexin.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile- 1.0% Acetic acid H₂O,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Ko H H, Weng J R, Tsao L T, *et al. Bioorg. Med. Chem. Lett.*, 2004, 14(22):1011-4.

[2] Ingham J L. *Biochem. Syst. Ecol.*, 1991, 19(6):497-506.

[3] Chang T S, Lin M Y, Lin H J. *Int. J. Cosmetic Sci.*, 2010, 32(6):471-471.

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