

Osajin Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Osajin

Catalog No.: CFN97917

Cas No.: 482-53-1

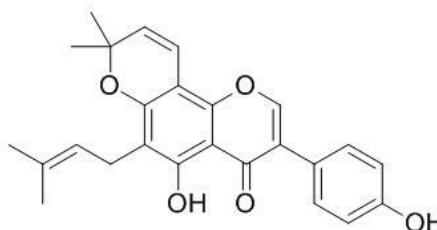
Purity: >=95%

M.F: C₂₅H₂₄O₅

M.W: 404.5

Physical Description: Yellow powder

Synonyms: 5-Hydroxy-3-(4-hydroxyphenyl)-8,8-dimethyl-6-(3-methylbut-2-en-1-yl)-4H,8H-pyrano[2,3-f]chromen-4-one; 4H,8H-benzo[1,2-b:3,4-b']dipyran-4-one, 5-hydroxy-3-(4-hydroxyphenyl)-8,8-dimethyl-6-(3-methyl-2-buten-1-yl)-.



[Intended Use]

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

[Source]

The herbs of *Derris robusta*.

[Biological Activity or Inhibitors]

Osajin and pomiferin have antioxidative and EROD activities.^[1]

Osajin and pomiferin attenuate the myocardial dysfunction provoked by ischemiareperfusion, this is confirmed by an increase in both antioxidant enzyme values and total antioxidant activity.^[2]

Osajin shows a protective antidiabetic and antioxidative effect. ^[3]

[Solvent]

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

[HPLC Method]^[4]

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

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 274 nm.

[Storage]

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

[References]

[1] Veselá D, Kubínová R, Muselík J, *et al. Fitoterapia*, 2004, 75(2):209-11.

[2] Florian T, Necas J, Bartosikova L, *et al. Biomed. Pap. Med. Fac. Univ. Palacky Olomouc. Czech. Repub.*, 2006, 150(1):93-100.

[3] Fránová J, Pavlík M. *Ceska Slov .Farm.* ,2007,56(4):200-4.

[4] Darji K, Miglis C, Wardlow A, *et al. J.Agric. Food Chem.*, 2013, 61(28):6806-11.

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