



Kaempferol 3-O-arabinoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Kaempferol 3-O-arabinoside

Catalog No.: CFN97572

Cas No.: 99882-10-7

Purity: > 98%

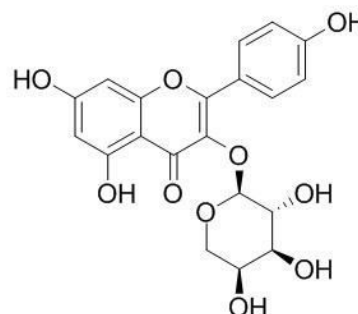
M.F: C₂₀H₁₈O₁₀

M.W: 418.4

Physical Description: Yellow powder

Synonyms:

Juglalin; Kaempferol 3-O- α -L-arabinoside; Kaempferol 3-O- α -L-arabinopyranoside.



[Intended Use]

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

[Source]

The leaves of *Persea americana*.

[Biological Activity or Inhibitors]

Kaempferol-3-O- α -D-arabinoside displays cytotoxic and high antioxidant activity.^[1]

Kaempferol-3-O-arabinoside and kaempferol-3-O-glucoside, the extract/fractions of *P. koraiensis*, can function as antioxidants in biological systems, particularly skin exposed to UV radiation by scavenging ROS, and protect cellular membrane against ROS; they can be applicable to new cosmeceuticals for antioxidant, antiaging, and antibacterial activity.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile-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] Jeanne E R L, Mouafo Talontsi F, Randriambola L, *et al. Nat. Prod. J.*, 2013, 3: 77-80.

[2] Kim Jung-Eun, Kim Woo-Yeon, Kim Ji-Wook, *et al. Journal of the Society of Cosmetic Scientists of Korea*.2010,36(4):303-14.

[3] Fernandes F, Valentão P, Sousa C, *et al. Food Chem.*, 2007, 105(3):1003-10.

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