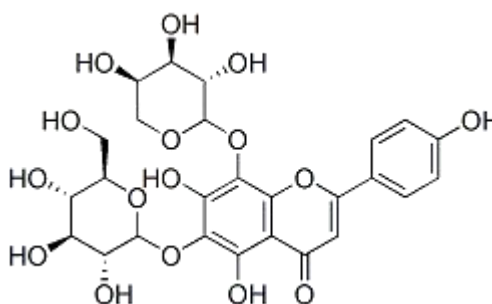


Schaftoside Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Schaftoside**Catalog No.:** CFN90197**Cas No.:** 51938-32-0**Purity:** >=98%**M.F:** C₂₆H₂₈O₁₄**M.W:** 564.49**Physical Description:** Powder**Synonyms:** 4',5,7-Trihydroxy-6-(β-D-glucopyranosyl)-8-(α-L-arabinopyranosyl)flavone;

8-(α-L-Arabinopyranosyl)-6-(β-D-glucopyranosyl)-5,7-dihydroxy-2-(4-hydroxyphenyl)-

4H-1-benzopyran-4-one; 6-C-beta-D-Glucosyl-8-C-alpha-L-arabinosylapigenin;

Apigenin 8-C-α-L-arabinoside 6-C-β-D-glucoside.

[Intended Use]

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

[Source]The herbs of *Desmodium styracifolium* (Osh.) Merr.

[Biological Activity or Inhibitors]

Schaftosides from rice phloem as feeding inhibitors and resistance factors to brown planthoppers, *Nilaparvata lugens*.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile- 0.025M Phosphoric acid H₂O(adjusted triethylamine to pH = 3.02)=15:85 ;

Flow rate: 0.9 ml/min;

Column temperature:30°C;

The wave length of determination: 270 nm.

[Storage]

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

[References]

[1] Stevenson P C, Kimmins F M, Grayer R J, *et al.* *Proceedings of the 9th International Symposium on Insect-Plant Relationships.* Springer Netherlands, 1996:246–9.

[2] Pu X H, Zhao H, Yuan Q, *et al.* *Chinese Traditional Patent Medicine*, 2014, 36(9): 1909-12.

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