

Mulberroside F Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Mulberroside F

Catalog No.: CFN90794

Cas No.: 193483-95-3

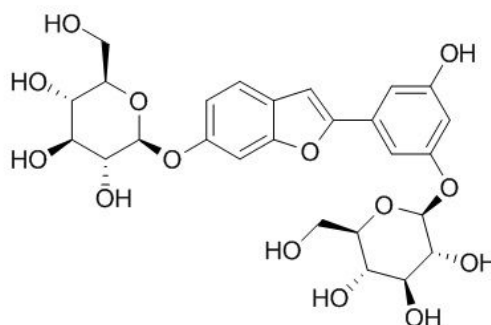
Purity: >=98%

M.F: C₂₆H₃₀O₁₄

M.W: 566.5

Physical Description: Powder

Synonyms: 3-[6-(beta-D-Glucopyranosyloxy)-2-benzofuranyl]-5-hydroxyphenyl
beta-D-glucopyranoside.



[Intended Use]

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

[Source]

The root barks of *Morus alba* L.

[Biological Activity or Inhibitors]

Mulberroside F shows inhibitory effects on tyrosinase activity and on the melanin formation of melan-a cells, it also exhibits superoxide scavenging activity that is involved in the protection against auto-oxidation, suggests that mulberroside F may be used as a skin whitening agent.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: 0.4% Acetic acid in water- Acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 324 nm.

[Storage]

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

[References]

[1] Lee S H, Choi S Y, Kim H, *et al. Biol. Pharm.Bull.*, 2002, 25(8):1045-8.

[2] Wang S, Liu X M, Zhang J, *et al. Plos One*, 2014, 9(10):e109396.

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