Natural Products

ChemFaces

Oxyresveratrol 3'-O-beta-D-glucopyranoside Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Oxyresveratrol 3'-O-beta-D-glucopyranoside

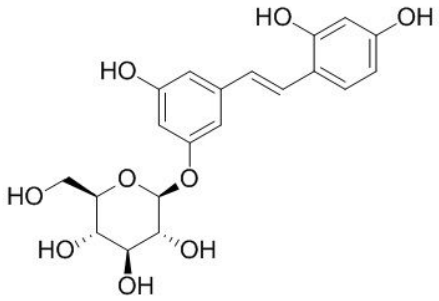
Catalog No.: CFN90793

Cas No.: 144525-40-6

Purity: >=98%

M.F: $C_{20}H_{22}O_9$

M.W: 406.4



Physical Description: Powder

Synonyms:(2S,3R,4S,5S,6R)-2-{3-[(E)-2-(2,4-Dihydroxy-phenyl)-vinyl]-5-hydroxy-phenoxy}-6-hydroxymethyl-tetrahydro-pyran-3,4,5-triol;3-[(E)-2-(2,4-dihydroxyphenyl)ethenyl]-5-hydroxyphenyl β-D-glucopyranoside.

[Intended Use]

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

[Source]

The root barks of *Morus alba L.*

[Biological Activity or Inhibitors]

Oxyresveratrol-3'-O-beta-D-glucopyranoside shows better tyrosinase inhibitory activities than kojic acid.[1]

Oxyresveratrol-3-O-glucoside and oxyresveratrol may be potential candidates as skin-whitening agents without posing any serious side effects.[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method][3]

Mobile phase: Methanol -H2O,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 ℃;

The wave length of determination: 325 nm.

[Storage]

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

[References]

[1] Zheng Z P, Cheng K W, Zhu Q, *et al. J. Agric. Food Chem.,2010,12;58(9):5368-73.*

[2] Keun-Tae Park, Jeong-Keun Kim, Young-Hee Lim. *Korean J. Food Sci. Technol., 2012, 44(2):251-6*

[3] Pu S J, Qu G X, Qiu F. *Chinese Journal of Medicinal Chemistry, 2006, 16(1):40-5.*

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