

Isosalvianolic acid C Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Isosalvianolic acid C

Catalog No.: CFN92565

Cas No.: 142115-17-1

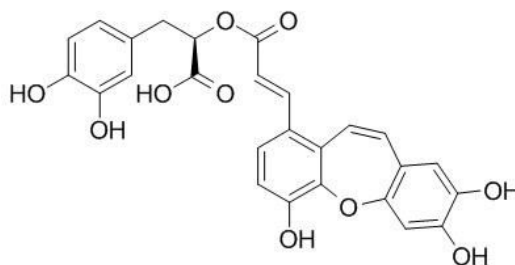
Purity: > 95%

M.F: C₂₆H₂₀O₁₀

M.W: 492.4

Physical Description: Powder

Synonyms: (αR)-3,4-Dihydroxy-α-[(2E)-1-oxo-3-(4,7,8-trihydroxydibenz[b,f]oxepin-1-yl)-2-propen-1-yl]oxy]-benzenepropanoic acid.



[Intended Use]

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

[Source]

The herbs of *Tournefortia sarmentosa*.

[Biological Activity or Inhibitors]

Isosalvianolic acid C, isolated from the stems of *Tournefortia sarmentosa*, has the anti-low-density-lipoprotein(LDL)-peroxidative activity. ^[1]

Isosalvianolic acid C methyl ester shows potent antioxidant activities by in vitro DPPH· and ABTS·+ scavenging methods with microplate assays.^[2]

[**Solvent**]

Pyridine, Methanol, Ethanol, etc.

[**HPLC Method**]^[3]

Mobile phase: Acetonitrile- 0.05% Phosphoric acid 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] Lin Y L, Chang Y Y, Kuo Y H, *et al. J. Nat.Prod.*, 2002, 65(5):745-7.

[2] Liu J, Li W, Jiang S, *et al. Chem. Nat.Compnd.*, 2014, 50(1):83-7.

[3] Mu X S, Zhang Q, Fang X S, *et al. Chinese Journal of Information on Traditional Chinese Medicine*, 2012(12):56-8.

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