

Schisandrin C Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Schisandrin C

Catalog No.: CFN99708

Cas No.: 61301-33-5

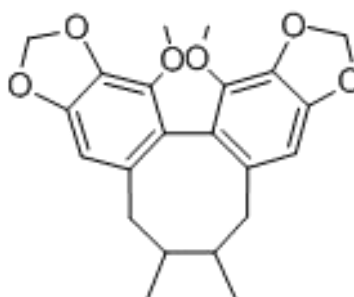
Purity: >=98%

M.F: C₂₂H₂₄O₆

M.W: 384.42

Physical Description: Powder

Synonyms: WUWEIZISUC; 8-dimethyl-; cycloocta(1,2-f:3,4-f')bis(1,3)benzodioxole 6,7,8,9-tetrahydro-1,13-dimethoxy-7; (6R,7S,13aS)-5,6,7,8-Tetrahydro-13,14-dimethoxy-6,7-dimethylcycloocta[1,2-f:3,4-f']bis[1,3]benzodioxole; (S)-(-)-Schisandrin C.



[Intended Use]

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

[Source]

The seeds of *Schisandra chinensis* (Turcz.) Baill.

[Biological Activity or Inhibitors]

Schizandrin C isolated from *Schisandra chinensis* could be used as a natural anti-neuroinflammatory agent, inducing phase II detoxifying/antioxidant enzymes via cAMP/PKA/CREB and Nrf-2 signaling.^[1]

A Schizandrin C derivative DDB-mixed preparation (DWP-04) has preventive effect against hepatotoxicity induced by carbon tetrachloride; schizandrin C and its analogs are antihepatitic drugs.^[2,3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Methanol- H₂O, gradient elution ;

Flow rate: 0.5 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Sun Y P, Park S J, Park T G, *et al. Int. Immunopharmacol.*, 2013, 17(2):415-26.

[2] Lee J H, Chi S C, Kim S H, *et al. Korean Journal of Pharmacognosy*, 2005, 36(1):44-9.

[3] Xie J X, Zhou J, Zhang C Z, *et al. Scientia Sinica*, 1983.

[4] Dong L H, Li Y F, Guo X H, *et al. Journal of Instrumental Analysis*, 2009, 28(8):931-0.

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