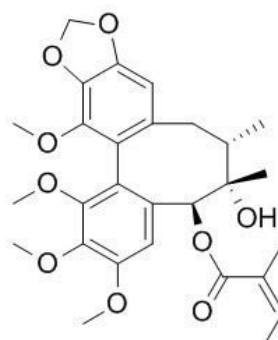


Schisantherin B Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Schisantherin B**Catalog No.:** CFN99924**Cas No.:** 58546-55-7**Purity:** >=98%**M.F:** C₂₈H₃₄O₉**M.W:** 514.57**Physical Description:** White powder**Synonyms:** (5S,6S,7S)-6-Hydroxy-1,2,3,13-tetramethoxy-6,7-dimethyl-5,6,7,8-tetrahydro benzo[3',4']cycloocta[1',2':4,5]benzo[1,2-d][1,3]dioxol-5-yl-(2Z)-2-methylbut-2-enoate; Wu weizi ester B; Gomisin B.**[Intended Use]**

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

[Source]The seeds of *Schisandra chinensis* (Turcz.) Baill.

[Biological Activity or Inhibitors]

Schisantherin B may protect against cognitive deficits and neurodegeneration induced by A β 1-42 in mice by regulating the glutamate transporter type 1 (GLT-1) restoration as well as the capacity of Glycogen synthase kinase3 β (GSK3 β).^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-Tetrahydrofuran-H₂O=18:18:64;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 222 nm.

[Storage]

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

[References]

[1] Xu M, Dong Y, Wan S, *et al. Physiol. Behav.*, 2016, 167:265-73.

[2] Sun H Z, Le X U, Yuan H, *et al. China Pharmacy*, 2014, 25(8):752-4.

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