[ Product Information ]

Name: Schisandrin A  
Catalog No.: CFN99012  
Cas No.: 7432-28-2  
Purity: > 98%  
M.F: C_{24}H_{32}O_{7}  
M.W: 432.5  
Physical Description: Oil  
Synonyms: 5,6,7,8-Tetrahydro-6,7-dimethyl-1,2,3,10,11,12-hexamethoxydibenzo[a,c]cycloocten-6-ol.

[ 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 fruits of Schisandra chinensis (Turcz.) Baill.
[**Biological Activity or Inhibitors**]

Schisandrin A and schisandrin B are active components of Schisandraceae Fructus, has anti-inflammatory action, may act differentially on activating GST/ depleting cellular GSH and inducing an antioxidant response. [1]

Schisandrin A and Schisandrin B inhibit CYP3A activity by a mixed noncompetitive and complete inhibition, with IC(50) values of 6.60 and 5.51 microM and K(i) values of 5.83 and 4.24 microM, respectively.[2]

Schisandrin A is an MDR-reversing agent in chemotherapy for osteosarcoma, the mechanism is associated with reducing the IC50 of DOX, and increasing cleaved-PARP and cleaved-Caspase-7 levels in MG-63 cells transfected with the MDR1 expression vector.[3]

Schisandrin A and B induce OATP1B1 expression and increase its transporter activity in HepG2 cells..[4]

Schisandrin A, B, and C have certain protective effects on the oxidative damage of HaCat cells induced by H2O2. [5]

[**Solvent**]

Chloroform, Dichloromethane, DMSO, Acetone, etc.

[**HPLC Method**][6]

Mobile phase: Methanol : H2O=75:25;
Flow rate: 1.0 ml/min;
Column temperature: 30 °C;
The wave length of determination: 254 nm.

[**Storage**]

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


[ Contact ]

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