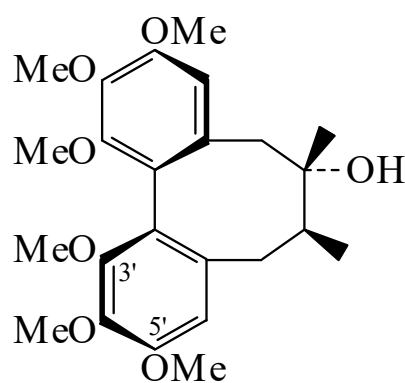




>>Entry Name: Schizandrin

Synonym(s): 5,6,7,8-Tetrahydro-1,2,3,10,11,12-hexamethoxy-6,7-dimethyldibenzo[*a,c*]cycloocten-6-ol, 9Cl. 8-Hydroxy-3,3',4,4',5,5'-hexamethoxy-2,2'-cycloignan. Wuweizichun A. Wuweizi alcohol A. Schisandrin. Schisandrol A. Schizandrol A



CAS Registry Number: 7432-28-2

Molecular Formula: C₂₄H₃₂O₇

Molecular Weight: 432.513

Accurate Mass: 432.214805

Percentage Composition: C 66.65%; H 7.46%; O 25.89%

Biological Source: Constit. of *Schizandra chinensis*

Biological Use/Importance: Microsomal cytochrome P 450 inducer. Antihepatotoxic agent. Free radical scavenger

Melting Point: Mp 128-129°

Optical Rotation: [α]_D +91.5 (c, 0.1 in EtOH). [α]_D +78 (c, 0.1 in CHCl₃). [α]_D²² +88.7 (CHCl₃)

UV: [neutral] $\lambda_{\max}$ 217 (ϵ 79400); 246 (ϵ 19500); 251 (ϵ 20000); 256 (sh) (ϵ 17000); 288 (sh) (ϵ 2750) (EtOH) (Derep)

>>Derivative: 3'-O-De-Me

Synonym(s): Gomisin H. Norschizandrin

CAS Registry Number: 66056-20-0

Molecular Formula: C₂₃H₃₀O₇

Molecular Weight: 418.486

Accurate Mass: 418.199155

Percentage Composition: C 66.01%; H 7.23%; O 26.76%

Biological Source: Isol. from fruit of *Schizandra chinensis*

Physical Description: Plates (hexane/Et₂O)

Melting Point: Mp 144-145°

Optical Rotation: [α]_D²⁶ +41.2 (c, 1.0 in CHCl₃)

>>Derivative: 3'-O-De-Me, 3'-angeloyl

Synonym(s): Angeloylgomisin H

CAS Registry Number: 66056-22-2

Molecular Formula: C₂₈H₃₆O₈

Molecular Weight: 500.588

Accurate Mass: 500.24102

Percentage Composition: C 67.18%; H 7.25%; O 25.57%

Biological Source: Constit. of *Kadsura longipedunculata* and *Schizandra chinensis*. Component of Wu Wei Zi

Physical Description: Amorph. powder

Optical Rotation: [α]_D²² +19.4 (c, 1.6 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 215 (log ϵ 4.72); 248 (sh) (log ϵ 4.18); 286 (sh) (log ϵ 3.14) (MeOH)

>>Derivative: 3'-O-De-Me, 3'-tigloyl

CAS Registry Number: 66069-55-4

Molecular Formula: C₂₈H₃₆O₈

Molecular Weight: 500.588

Accurate Mass: 500.24102

Percentage Composition: C 67.18%; H 7.25%; O 25.57%

Biological Source: Constit. of the fruit of *Schizandra chinensis*. Constit. of Wu Wei Zi

Physical Description: Amorph. powder