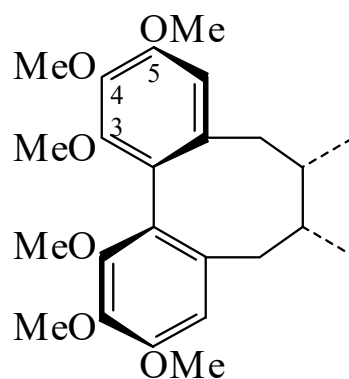




>>Entry Name: Deoxyschizandrin

Synonym(s): 3,3',4,4',5,5'-Hexamethoxy-2,2'-cycloignan. Deoxyschisandrin. Schizandrin A. Schisandrin A. Wuweizisu A. Dimethylgomisin J



CAS Registry Number: 61281-38-7

Molecular Formula: C₂₄H₃₂O₆

Molecular Weight: 416.513

Accurate Mass: 416.21989

Percentage Composition: C 69.21%; H 7.74%; O 23.05%

Biological Source: Isol. from kernels of *Schizandra chinensis* and *Schizandra rubiflora*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 114-116°

Optical Rotation: $[\alpha]_D^{20} +107$ (c, 5.7 in CHCl₃)

>>Derivative: O³-De-Me

Synonym(s): Gomisin K3. 3'-Hydroxy-3,4,4',5,5'-pentamethoxy-2,2'-cycloignan. Schizanhenol. Schisanhenol

CAS Registry Number: 69363-14-0

Molecular Formula: C₂₃H₃₀O₆

Molecular Weight: 402.486

Accurate Mass: 402.20424

Percentage Composition: C 68.64%; H 7.51%; O 23.85%

Biological Source: Isol. from *Schizandra henryi*, *Schizandra chinensis* and *Schizandra rubiflora*

Physical Description: Needles (Et₂O/hexane)

Melting Point: Mp 100-101°

Optical Rotation: $[\alpha]_D^{23} +60.8$ (CHCl₃)

Other Data: Abs. config. correlation with Deoxyschizandrin and identity of Gomisin K3 and Schizanhenol not formally secured

>>Derivative: O³-De-Me, Ac

Melting Point: Mp 157-159°

Optical Rotation: $[\alpha]_D^{23} +31.6$

Other Data: Props. refer to the deriv. of Schizanhenol

>>Derivative: O⁵-De-Me

Synonym(s): Gomisin K2

CAS Registry Number: 75684-44-5

Molecular Formula: C₂₃H₃₀O₆

Molecular Weight: 402.486

Accurate Mass: 402.20424

Percentage Composition: C 68.64%; H 7.51%; O 23.85%

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

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{24} +81.7$ (CHCl₃)

References: