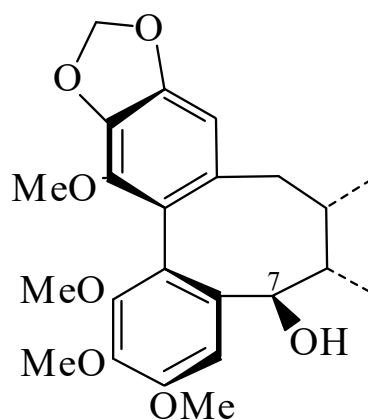




>>Entry Name: Gomisin O

Synonym(s): 3,3',4,5-Tetramethoxy-4',5'-methylenedioxy-2,2'-cyclo lignan-7-ol



Absolute
configuration

CAS Registry Number: 72960-22-6

Molecular Formula: $C_{23}H_{28}O_7$

Molecular Weight: 416.47

Accurate Mass: 416.183505

Percentage Composition: C 66.33%; H 6.78%; O 26.89%

Biological Source: Constit. of fruits of *Schizandra chinensis*

Physical Description: Cryst. (Et₂O/hexane)

Melting Point: Mp 146.5-147.5°

Optical Rotation: $[\alpha]_D^{24} -30.1$ (c, 1.06 in CHCl₃)

Other Data: The 8-membered ring is in the boat config.

>>Derivative: Ac

Synonym(s): Rubschisantherin. Acetylgomisin O

CAS Registry Number: 102637-03-6

Molecular Formula: $C_{25}H_{30}O_8$

Molecular Weight: 458.507

Accurate Mass: 458.19407

Percentage Composition: C 65.49%; H 6.59%; O 27.92%

Biological Source: Isol. from *Schizandra rubrifolia*

Optical Rotation: $[\alpha]_D^{10} -69.1$

>>Derivative: Angeloyl

Synonym(s): Angeloylgomisin O

CAS Registry Number: 83864-69-1

Molecular Formula: $C_{28}H_{34}O_8$

Molecular Weight: 498.572

Accurate Mass: 498.22537

Percentage Composition: C 67.45%; H 6.87%; O 25.67%

Biological Source: Isol. from *Schizandra chinensis*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{24} +47.1$ (c, 1.36 in CHCl₃)

>>Derivative: Benzoyl

Synonym(s): Benzoylgomisin O

CAS Registry Number: 130783-32-3

Molecular Formula: $C_{30}H_{32}O_8$

Molecular Weight: 520.578

Accurate Mass: 520.20972

Percentage Composition: C 69.22%; H 6.20%; O 24.59%

Biological Source: Isol. from *Schizandra chinensis* and *Schizandra sphenanthera*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{25} -41.4$ (c, 1 in CHCl₃)