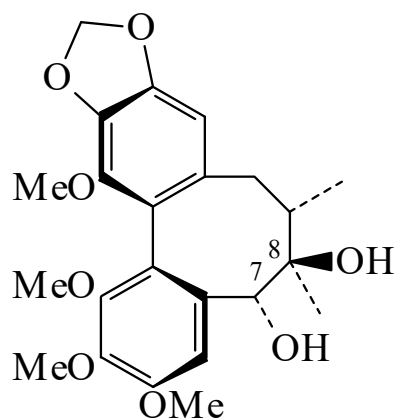




>>Entry Name: Gomisin P

Synonym(s): 7,8-Dihydroxy-3,3',4,5-tetramethoxy-4',5'-methylenedioxy-2,2'-cyclo lignan. Schisandiol. Schizandiol



CAS Registry Number: 69980-01-4

Related CAS Registry Numbers(s): 58546-59-1 128440-05-1

Molecular Formula:  $C_{23}H_{28}O_8$

Molecular Weight: 432.469

Accurate Mass: 432.17842

Percentage Composition: C 63.88%; H 6.53%; O 29.60%

Physical Description: Needles

Melting Point: Mp 114-116°

Optical Rotation:  $[\alpha]_D -94.3$  (c, 0.53 in  $CHCl_3$ )

>>Derivative: 7-Angeloyl

Synonym(s): Angeloylgomisin P. Schizantharin C. Schisantherin C

CAS Registry Number: 64938-51-8

Molecular Formula:  $C_{28}H_{34}O_9$

Molecular Weight: 514.571

Accurate Mass: 514.220285

Percentage Composition: C 65.36%; H 6.66%; O 27.98%

Biological Source: Isol. from fruits of *Schizandra chinensis* and *Schizandra phenanthera*

Optical Rotation:  $[\alpha]_D -98.5$

>>Derivative: 7-Tigloyl

Synonym(s): Tigloylgomisin P

CAS Registry Number: 69176-51-8

Molecular Formula:  $C_{28}H_{34}O_9$

Molecular Weight: 514.571

Accurate Mass: 514.220285

Percentage Composition: C 65.36%; H 6.66%; O 27.98%

Biological Source: Isol. from *Schizandra chinensis*

Physical Description: Amorph. powder

Optical Rotation:  $[\alpha]_D -64.2$ .  $[\alpha]_D^{22} -64.2$  (c, 0.463 in  $CHCl_3$ )

>>Derivative: 7-Benzoyl

Synonym(s): Benzoylgomisin P

CAS Registry Number: 129445-43-8

Molecular Formula:  $C_{30}H_{32}O_9$

Molecular Weight: 536.577

Accurate Mass: 536.204635

Percentage Composition: C 67.15%; H 6.01%; O 26.84%

Biological Source: Isol. from fruits of *Schizandra sphenanthera*

Use/Importance: Shows antitussive, tonic and sedative props.

Physical Description: Amorph. powder

Optical Rotation:  $[\alpha]_D^{24} -22.1$  (c, 0.4 in  $CHCl_3$ )