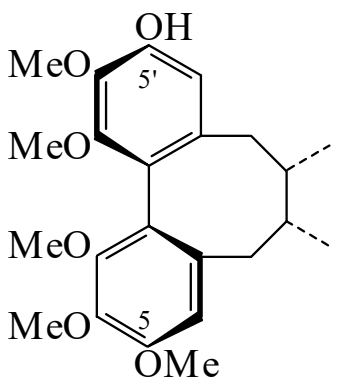
>>**Entry Name: Gomisin K1**
Synonym(s): 5'-Hydroxy-3,3',4,4',5-pentamethoxy-2,2'-cyclolignan



CAS Registry Number: 75629-20-8

Molecular Formula: $C_{23}H_{30}O_6$
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: Prisms (Et_2O/hexane)
Melting Point: Mp 99-101°
Optical Rotation: $[\alpha]_D^{23}$ –96.7 ($CHCl_3$)

>>**Derivative:** Me ether

Melting Point: Mp 113.5-115°
Optical Rotation: $[\alpha]_D$ –73.2 ($CHCl_3$)

>>**Derivative:** 5-*O*-De-Me
Synonym(s): Gomisin J

CAS Registry Number: 66280-25-9

Molecular Formula: $C_{22}H_{28}O_6$
Molecular Weight: 388.46
Accurate Mass: 388.18859
Percentage Composition: C 68.02%; H 7.26%; O 24.71%
Biological Source: Isol. from fruits of *Schizandra chinensis* and from *Kadsura coccinea*
Use/Importance: $Ca^{2(+)}$ antagonist enhancing arterial blood flow
Melting Point: Mp 149-150°
Optical Rotation: $[\alpha]_D$ –43.9 (c, 1.0 in $CHCl_3$)

References:

Ikeya, Y. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 682; 1979, **27**, 1583; 1980, **28**, 2422, *(isol, cmr, biosynth)*
Suekawa, M. *et al.*, *Yakugaku Zasshi*, 1987, **107**, 720, *(pharmacol)*
Tanaka, M. *et al.*, *Tetrahedron*, 1995, **51**, 11693, *(synth, Gomisin J)*