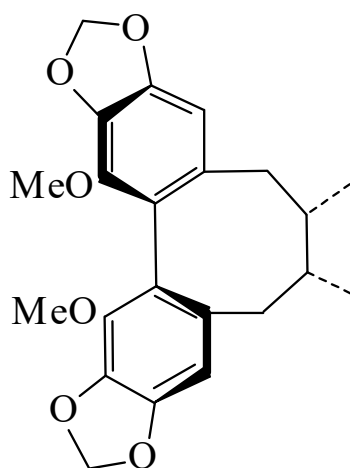




>>Entry Name: Wuweizisu C

Synonym(s): Schisandrin C. Schizandrin C



Absolute
configuration

CAS Registry Number: 61301-33-5

Molecular Formula: $C_{22}H_{24}O_6$

Molecular Weight: 384.428

Accurate Mass: 384.15729

Percentage Composition: C 68.74%; H 6.29%; O 24.97%

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

Physical Description: Cryst. (Me₂CO/MeOH)

Melting Point: Mp 122-123°

Optical Rotation: $[\alpha]_D^{22} -54.9$ (c, 1 in CHCl₃)

>>Derivative: 7,7'-Epoxide

Synonym(s): 7,7'-Epoxy-3,3'-dimethoxy-4,5:4',5'-bis(methylenedioxy)-2,2'-cyclo lignan

CAS Registry Number: 81345-36-0

Molecular Formula: $C_{22}H_{22}O_7$

Molecular Weight: 398.412

Accurate Mass: 398.136555

Percentage Composition: C 66.32%; H 5.57%; O 28.11%

Biological Source: Constit. of *Clerodendron inerme*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 175-177°

Other Data: Racemic (*meso*-isomer)

References:

- Schneiders, G.E. *et al.*, *J.O.C.*, 1981, **46**, 2969
Spencer, G.F. *et al.*, *Phytochemistry*, 1981, **20**, 2757, (*epoxide*)
Ikeya, Y. *et al.*, *Chem. Pharm. Bull.*, 1982, **30**, 3207, (*abs config*)
Hikino, H. *et al.*, *Planta Med.*, 1984, **50**, 213, (*pharmacol*)
Takeya, T. *et al.*, *Chem. Pharm. Bull.*, 1985, **33**, 3599, (*synth*)
Kiso, Y. *et al.*, *Planta Med.*, 1985, **53**, 331, (*pharmacol*)
Tanaka, M. *et al.*, *Tet. Lett.*, 1994, **35**, 3733, (*synth*)
Tanaka, M. *et al.*, *Tetrahedron*, 1995, **51**, 11693, (*synth*)