



Molecular Formula: C₂₈H₃₄O₉

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* and *Schizandra sphenanthera*

Use/Importance: Antihepatitic agent. Shows insecticidal props.

Physical Description: Cryst.

Melting Point: Mp 95-97°

Optical Rotation: [α]_D²³ -27.6 (c, 0.5 in CH₂Cl₂)

UV: [neutral] $\lambda_{\max}$ 218 (ϵ 94500); 257 (sh) (ϵ 17400); 292 (sh) (ϵ 4470) (EtOH) (Derep)

>>**Derivative:** 7,8-Diepimer, 7-benzoyl

Synonym(s): Gomisin C. Schizantharin A. Schisantherin A. Wuweizi ester A

CAS Registry Number: 58546-56-8

Molecular Formula: C₃₀H₃₂O₉

Molecular Weight: 536.577

Accurate Mass: 536.204635

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

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

UV: [neutral] $\lambda_{\max}$ 220 (ϵ 57500); 253 (sh) (ϵ 15500); 284 (sh) (ϵ 3800) (EtOH) (Derep)

References:

Taguchi, K. *et al.*, *Chem. Pharm. Bull.*, 1975, **23**, 3296, (*isol*)

Liu, C.-S. *et al.*, *Sci. Sin. (Engl. edn.)*, 1978, **21**, 483, (*isol*)

Ikeya, Y. *et al.*, *Chem. Pharm. Bull.*, 1979, **27**, 1383; 1576; 1980, **28**, 3357; 1990, **38**, 1408, (*isol, ms, cmr, struct*)

Hikino, H. *et al.*, *Planta Med.*, 1984, **50**, 213, (*pharmacol*)

Miyazawa, M. *et al.*, *Nat. Prod. Lett.*, 1998, **12**, 175-180, (*Gomisin B, pmr, cmr*)