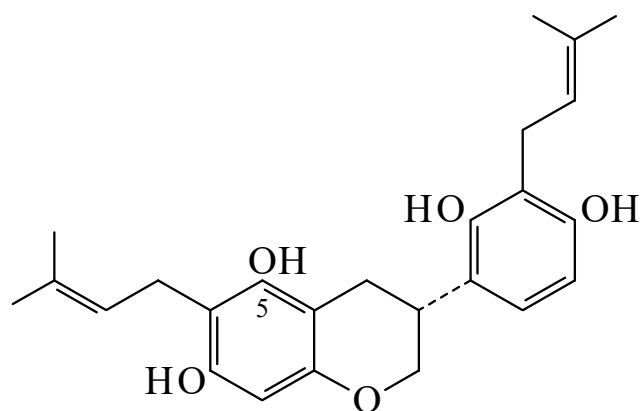




>>Entry Name: 2',4',5,7-Tetrahydroxy-3',6-diprenylisoflavan



Molecular Formula: C₂₅H₃₀O₅

Molecular Weight: 410.509

Accurate Mass: 410.209325

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

>>Variant: (*R*)-form

Molecular Formula: C₂₅H₃₀O₅

Molecular Weight: 410.509

Accurate Mass: 410.209325

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

>>Derivative: 5-Me ether

Synonym(s): 2',4',7-Trihydroxy-5-methoxy-3',6-diprenylisoflavan. **Licoricidin**

CAS Registry Number: 30508-27-1

Biological Source: Constit. of *Glycyrrhiza glabra* and *Glycyrrhiza uralensis*

Physical Description: Cryst. (CHCl₃/Et₂O)

Melting Point: Mp 154-156°

Optical Rotation: [α]_D²² +20 (c, 1 in MeOH)

Other Data: Struct. revised in 1988 (OMe group previously considered to be at 7-posn.)

>>Derivative: 5,7-Di-Me ether

Synonym(s): 2',4'-Dihydroxy-5,7-dimethoxy-3',6-diprenylisoflavan. **Licorisoflavan A**. 7-*O*-Methylicoricidin

CAS Registry Number: 129314-37-0

Molecular Formula: C₂₇H₃₄O₅

Molecular Weight: 438.563

Accurate Mass: 438.240625

Percentage Composition: C 73.95%; H 7.81%; O 18.24%

Biological Source: Constit. of *Glycyrrhiza uralensis* and *Glycyrrhiza aspera*

Physical Description: Prisms (Me₂CO)

Melting Point: Mp 65-67°

Optical Rotation: [α]_D²⁰ +5.7 (c, 0.265 in MeOH)

Other Data: Identity of Licorisoflavan A (abs. config. not assigned) and 7-*O*-Methylicoricidin not establ. Phys. props. refer to Licorisoflavan A

References:

- Shibata, S. *et al.*, *Chem. Pharm. Bull.*, 1968, **16**, 1932, (*isol*)
Kinoshita, T. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 141, (*isol*)
Shih, T.L. *et al.*, *J.O.C.*, 1987, **52**, 2029, (*synth*)
Fukai, T. *et al.*, *Heterocycles*, 1988, **27**, 2309, (*isol, struct, cmr*)
Zeng, L. *et al.*, *Heterocycles*, 1992, **34**, 575, (*Licorisoflavan A*)