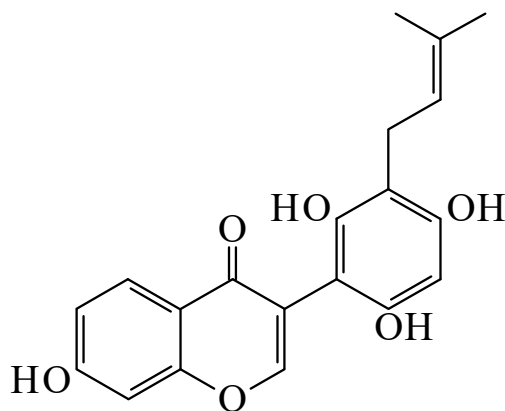




>>Entry Name: 2',4',6',7-Tetrahydroxy-3'-prenylisoflavone

Synonym(s): 7-Hydroxy-3-[2,4,6-trihydroxy-3-(3-methyl-2-butenyl)phenyl]-4*H*-1-benzopyran-4-one



Molecular Formula: C₂₀H₁₈O₆

Molecular Weight: 354.359

Accurate Mass: 354.11034

Percentage Composition: C 67.79%; H 5.12%; O 27.09%

>>Derivative: 2'-Me ether

Synonym(s): 2',4',7-Trihydroxy-6'-methoxy-3'-prenylisoflavone. **Glicoricone**

CAS Registry Number: 161099-37-2

Molecular Formula: C₂₁H₂₀O₆

Molecular Weight: 368.385

Accurate Mass: 368.12599

Percentage Composition: C 68.47%; H 5.47%; O 26.06%

Biological Source: Constit. of *Glycyrrhiza* sp.

Physical Description: Needles +½H₂O

Melting Point: Mp 192°

UV: [neutral] λ_{max} 209 (log ε 4.55); 240 (sh) (log ε 4.27); 247 (log ε 4.24); 285 (log ε 4.02); 305 (sh) (log ε 3.94) (MeOH)

>>Derivative: 2',4'-Di-Me ether

Synonym(s): 2',7-Dihydroxy-4',6'-dimethoxy-3'-prenylisoflavone. **Licoricone**

CAS Registry Number: 51847-92-8

Molecular Formula: C₂₂H₂₂O₆

Molecular Weight: 382.412

Accurate Mass: 382.14164

Percentage Composition: C 69.10%; H 5.80%; O 25.10%

Biological Source: Constit. of the root of *Glycyrrhiza uralensis*

Use/Importance: Possesses antiulcer props.

Melting Point: Mp 250-251°

Calculated Log P Data: Log P 3.77 (calc)

>>Derivative: Tetra-Me ether

Melting Point: Mp 179.5-181°

References:

- Kaneda, M. *et al.*, *Acta Cryst. B*, 1973, **29**, 2827, (*cryst struct*)
Kaneda, M. *et al.*, *Chem. Pharm. Bull.*, 1973, **21**, 1338, (*isol, struct*)
Saitoh, T. *et al.*, *Chem. Pharm. Bull.*, 1976, **24**, 1242, (*isol*)
Tsukayama, M. *et al.*, *Chem. Pharm. Bull.*, 1986, **34**, 2369, (*synth*)
Hatano, T. *et al.*, *Chem. Pharm. Bull.*, 1991, **39**, 1238-1243, (*Glicoricone*)