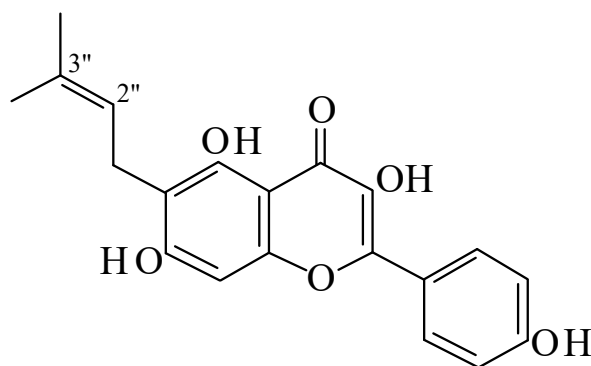




>>Entry Name: 3,4',5,7-Tetrahydroxy-6-prenylflavone

Synonym(s): 3,5,7-Trihydroxy-2-(4-hydroxyphenyl)-6-(3-methyl-2-butenyl)-4*H*-1-benzopyran-4-one, 9Cl. 4',5,7-Trihydroxy-6-prenylflavonol. **Licoflavonol**



CAS Registry Number: 60197-60-6

Molecular Formula: C₂₀H₁₈O₆

Molecular Weight: 354.359

Accurate Mass: 354.11034

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

Biological Source: Isol. from the roots of *Glycyrrhiza uralensis*

Use/Importance: Possesses antiulcer props.

Physical Description: Yellow needles (CHCl₃/MeOH)

Melting Point: Mp 185-187 dec.°

Calculated Log P Data: Log P 2.31 (calc)

>>Derivative: 3-Me ether

Synonym(s): 4',5,7-Trihydroxy-3-methoxy-6-prenylflavone. **Topazolin**

CAS Registry Number: 109605-79-0

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 *Lupinus luteus* cv. Topaz

Physical Description: Pale-yellow rods (Me₂CO/EtOAc)

Melting Point: Mp 227-228.5°

UV: [neutral] λ_{max} 215 (ε 31100); 272 (ε 25600); 336 (ε 19000) (MeOH) (Berdy) [base] λ_{max} 277 (); 330 (); 401 () (MeOH-NAOH) (Berdy)

>>Derivative: 2",3"-Dihydro, 3"-hydroxy

Synonym(s): 3,4',5,7-Tetrahydroxy-6-(3-hydroxy-3-methylbutyl)flavone

CAS Registry Number: 143724-79-2

Molecular Formula: C₂₀H₂₀O₇

Molecular Weight: 372.374

Accurate Mass: 372.120905

Percentage Composition: C 64.51%; H 5.41%; O 30.08%

Biological Source: Isol. from *Bursera leptophloes*

Physical Description: Yellow needles

Melting Point: Mp 223-224°

Other Data: Struct. revised in 1992

>>Derivative: 2",3"-Dihydro, 3"-hydroxy, 3-Me ether

Synonym(s): **Topazolin hydrate**

CAS Registry Number: 109605-84-7

Molecular Formula: C₂₁H₂₂O₇

Molecular Weight: 386.401

Accurate Mass: 386.136555

Percentage Composition: C 65.28%; H 5.74%; O 28.98%

Biological Source: Constit. of *Lupinus luteus* cv. Topaz

Physical Description: Pale-yellow rods (EtOAc/hexane)

Melting Point: Mp 239-241°

References: