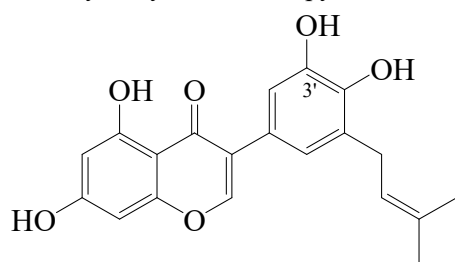




>>Entry Name: 3',4',5,7-Tetrahydroxy-5'-prenylisoflavone

ENTRY UNDER REVIEW

Synonym(s): 3-[3,4-Dihydroxy-5-(3-methyl-2-butenyl)phenyl]-5,7-dihydroxy-4*H*-1-benzopyran-4-one. **Glycyrrhisoflavone**



CAS Registry Number: 116709-70-7

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 *Glycyrrhiza* sp.

Use/Importance: Possesses anti-HIV activity

Physical Description: Needles + ½H₂O (CHCl₃)

Melting Point: Mp 185°

Calculated Log P Data: Log P 2.38 (calc)

>>Derivative: 3'-Me ether

Synonym(s): 4',5,7-Trihydroxy-3'-methoxy-5'-prenylisoflavone. **2'-Deoxypiscerythrone**

CAS Registry Number: 95261-30-6

Molecular Formula: C₂₁H₂₀O₆

Molecular Weight: 368.385

Accurate Mass: 368.12599

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

Biological Source: Isol. from *Piscidia erythrina*

Physical Description: Pale yellow needles (Et₂O/heptane)

Melting Point: Mp 178-179°

>>Derivative: 4'-Me ether

Synonym(s): 3',5,7-Trihydroxy-4'-methoxy-5'-prenylisoflavone. **4'-O-Methylglycyrrhisoflavone**. 5'-Prenylpratensein

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 *Erythrina saclexii*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 152-154°

UV: [neutral] λ_{max} 208 (); 262 (); 289 (sh) () (MeOH)

>>Derivative: 5-Me ether

Synonym(s): 3',4',7-Trihydroxy-5-methoxy-5'-prenylisoflavone. **Glisoflavone**

CAS Registry Number: 125709-32-2

Molecular Formula: C₂₁H₂₀O₆

Molecular Weight: 368.385

Accurate Mass: 368.12599

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

Biological Source: Isol. from *Glycyrrhiza* sp.

Physical Description: Needles + 1½H₂O

Melting Point: Mp 199°