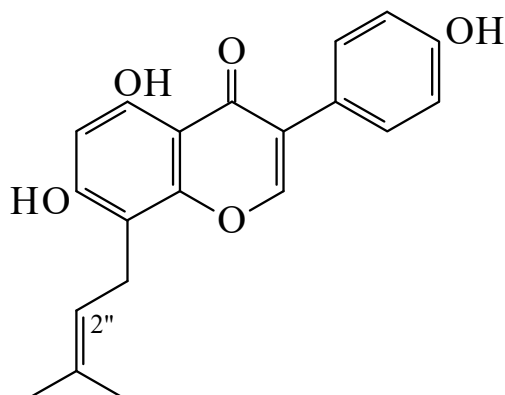




>>Entry Name: 4',5,7-Trihydroxy-8-prenylisoflavone

Synonym(s): 5,7-Dihydroxy-3-(4-hydroxyphenyl)-8-(3-methyl-2-butenyl)-4*H*-1-benzopyran-4-one, 9Cl. **Lupiwighteone**



CAS Registry Number: 104691-86-3

Molecular Formula: C₂₀H₁₈O₅

Molecular Weight: 338.359

Accurate Mass: 338.115425

Percentage Composition: C 71.00%; H 5.36%; O 23.64%

Biological Source: Isol. from *Glycyrrhiza uralensis*, *Lupinus luteus* and *Vigna angularis*

Physical Description: Amorph.

Solubility: BERDY SOL: Sol. MeOH; poorly sol. H₂O

UV: [neutral] λ_{max} 267 () (MeOH) (Berdy) [base] λ_{max} 282 (); 324 () (MeOH-NAOH) (Berdy)

>>Derivative: 4'-Me ether

Synonym(s): 5,7-Dihydroxy-4'-methoxy-8-prenylisoflavone. **Gancaonin M**

CAS Registry Number: 129145-51-3

Molecular Formula: C₂₁H₂₀O₅

Molecular Weight: 352.386

Accurate Mass: 352.131075

Percentage Composition: C 71.58%; H 5.72%; O 22.70%

Biological Source: Isol. from *Glycyrrhiza uralensis*

Physical Description: Prisms (Et₂O/hexane)

Melting Point: Mp 139-141°

>>Derivative: 5-Me ether

Synonym(s): 4',7-Dihydroxy-5-methoxy-8-prenylisoflavone. **5-Methylupiwighteone**

CAS Registry Number: 104703-98-2

Molecular Formula: C₂₁H₂₀O₅

Molecular Weight: 352.386

Accurate Mass: 352.131075

Percentage Composition: C 71.58%; H 5.72%; O 22.70%

Biological Source: Isol. from *Lupinus luteus*

Physical Description: Rods

Melting Point: Mp 220-222°

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

Synonym(s): 4',5,7-Trihydroxy-8-(3-hydroxy-3-methylbutyl)isoflavone. **Lupiwighteone hydrate**

CAS Registry Number: 104691-92-1

Molecular Formula: C₂₀H₂₀O₆

Molecular Weight: 356.374

Accurate Mass: 356.12599

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Biological Source: Isol. from *Lupinus luteus*

Physical Description: Columns

Melting Point: Mp 244-246°