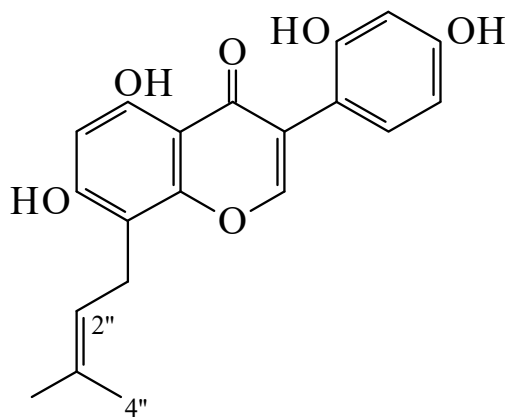




>>Entry Name: 2',4',5,7-Tetrahydroxy-8-prenylisoflavone

Synonym(s): 2,3-Dehydrokievitone



CAS Registry Number: 74161-25-4

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 *Lupinus luteus*, *Phaseolus lunatus*, *Phaseolus aureus* and *Phaseolus vulgaris*

UV: [neutral] λ_{max} 265 () (MeOH) (Berdy) [base] λ_{max} 281 () (MeOH-NAOH) (Berdy)

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ivn) .83 mg/kg , LD₅₀ (mus, ipr) 3.2 mg/kg

>>Derivative: 5-Me ether

Synonym(s): 2',4',7-Trihydroxy-5-methoxy-8-prenylisoflavone. **Barpisoflavone B**

CAS Registry Number: 104703-88-0

Molecular Formula: C₂₁H₂₀O₆

Molecular Weight: 368.385

Accurate Mass: 368.12599

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

Biological Source: Isol. from *Lupinus luteus*

Physical Description: Pale yellow plates

Melting Point: Mp 208-210°

>>Derivative: 4"-Hydroxy

Synonym(s): 2',4',5,7-Tetrahydroxy-8-(4-hydroxy-3-methyl-2-butenyl)isoflavone. **2,3-Dehydrokievitol**

CAS Registry Number: 104363-17-9

Molecular Formula: C₂₀H₁₈O₇

Molecular Weight: 370.358

Accurate Mass: 370.105255

Percentage Composition: C 64.86%; H 4.90%; O 30.24%

Biological Source: Isol. from *Phaseolus lunatus* induced with aq. CuCl₂

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

Synonym(s): 2',4',5,7-Tetrahydroxy-8-(3-hydroxy-3-methylbutyl)isoflavone. **2,3-Dehydrokievitone hydrate**

CAS Registry Number: 104691-93-2

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 *Lupinus luteus*

Physical Description: Yellow needles

Melting Point: Mp 134-136°

References: