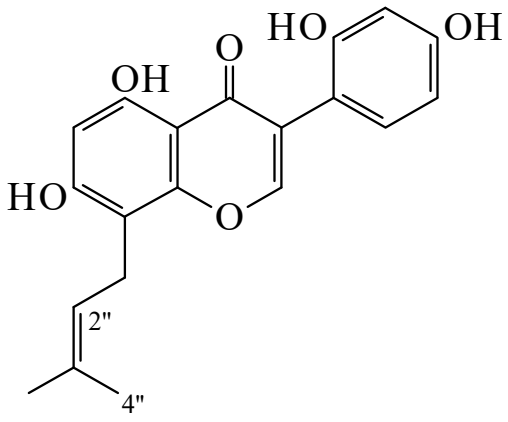
>>**Entry Name: 2',4',5,7-Tetrahydroxy-8-prenylisoflavone**
Synonym(s): 2,3-Dehydrokievitone



CAS Registry Number: 74161-25-4

Molecular Formula: $C_{20}H_{18}O_6$
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 : LD_{50} (mus, ivn) .83 mg/kg , LD_{50} (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: $C_{21}H_{20}O_6$
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: $C_{20}H_{18}O_7$
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. $CuCl_2$

>>**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: $C_{20}H_{20}O_7$
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: