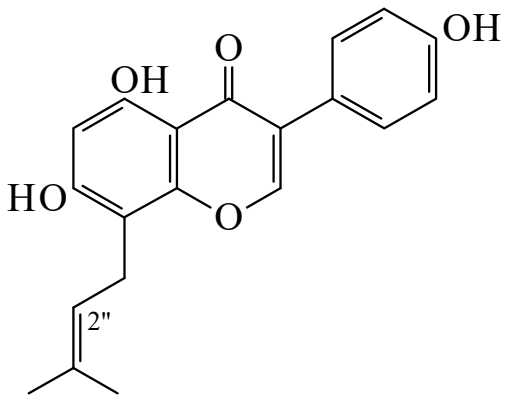
>>**Entry Name: 4',5,7-Trihydroxy-8-prenylisoflavone**
Synonym(s): 5,7-Dihydroxy-3-(4-hydroxyphenyl)-8-(3-methyl-2-butenyl)-4*H*-1-benzopyran-4-one, 9CI. **Lupiwighteone**



CAS Registry Number: 104691-86-3

Molecular Formula: $C_{20}H_{18}O_5$
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. H_2O
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: $C_{21}H_{20}O_5$
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 (Et_2O/hexane)
Melting Point: Mp 139-141°

>>**Derivative:** 5-Me ether
Synonym(s): 4',7-Dihydroxy-5-methoxy-8-prenylisoflavone. **5-Methyllupiwighteone**

CAS Registry Number: 104703-98-2

Molecular Formula: $C_{21}H_{20}O_5$
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: $C_{20}H_{20}O_6$
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°