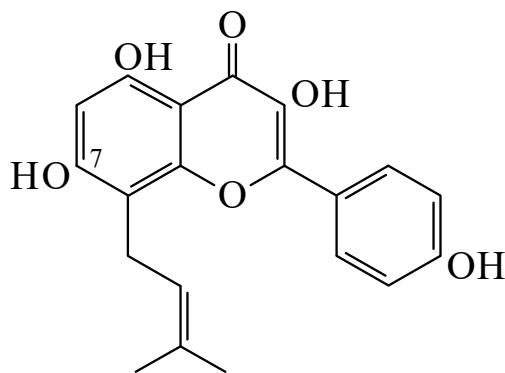




>>Entry Name: 3,4',5,7-Tetrahydroxy-8-prenylflavone

Synonym(s): 3,5,7-Trihydroxy-2-(4-hydroxyphenyl)-8-(3-methyl-2-butenyl)-4*H*-1-benzopyran-4-one, 9Cl. 4',5,7-Trihydroxy-8-prenylflavonol. Noranhydroicaritin. 8-*C*-Prenylkaempferol



CAS Registry Number: 28610-31-3

Related CAS Registry Numbers(s): 119708-36-0 119708-38-2 156216-77-2 156216-78-3

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 *Sophora angustifolia*

Physical Description: Yellow cryst. (EtOAc/petrol)

Melting Point: Mp 226°

UV: [neutral] λ_{max} 272 (ε 23500); 376 (ε 19000) (EtOH) (Berdy)

>>Derivative: 3-*O*-β-D-Glucopyranoside

CAS Registry Number: 120976-45-6

Molecular Formula: C₂₆H₂₈O₁₁

Molecular Weight: 516.501

Accurate Mass: 516.163165

Percentage Composition: C 60.46%; H 5.46%; O 34.07%

Other Data: Formerly given as struct. of Phellamuretin [CLQ55-O](#)

>>Derivative: 7-*O*-β-D-Glucopyranoside

Synonym(s): Epimidoside C. Epimediside C

CAS Registry Number: 55394-98-4

Molecular Formula: C₂₆H₂₈O₁₁

Molecular Weight: 516.501

Accurate Mass: 516.163165

Percentage Composition: C 60.46%; H 5.46%; O 34.07%

Biological Source: Isol. from *Epimedium grandiflorum* and *Epimedium davidii*

>>Derivative: 7-*O*-(6-*O*-Malonyl-β-D-glucopyranoside)

CAS Registry Number: 156216-75-0

Molecular Formula: C₂₉H₃₀O₁₄

Molecular Weight: 602.548

Accurate Mass: 602.16356

Percentage Composition: C 57.81%; H 5.02%; O 37.17%

Biological Source: Constit. of the leaves of *Phellodendron japonicum*

>>Derivative: 3-*O*-α-L-Rhamnopyranoside

Synonym(s): Ikariside A. Baohuoside II

CAS Registry Number: 55395-07-8

Molecular Formula: C₂₆H₂₈O₁₀

Molecular Weight: 500.501

Accurate Mass: 500.16825

Percentage Composition: C 62.39%; H 5.64%; O 31.97%

Biological Source: Isol. from *Epimedium* spp.

Physical Description: Yellow needles (MeOH aq.)

Melting Point: Mp 160°

Optical Rotation: [α]