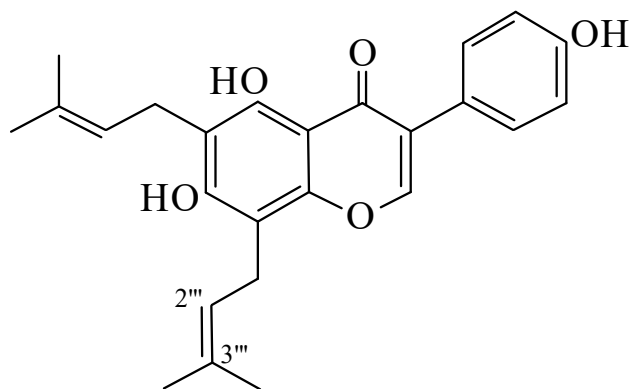




>>Entry Name: 4',5,7-Trihydroxy-6,8-diprenylisoflavone

Synonym(s): 5,7-Dihydroxy-3-(4-hydroxyphenyl)-6,8-bis(3-methyl-2-butenyl)-4*H*-1-benzopyran-4-one, 9Cl. 8-(γ,γ -Dimethylallyl)wighteone. 6,8-Diprenylgenistein



CAS Registry Number: 51225-28-6

Molecular Formula: C₂₅H₂₆O₅

Molecular Weight: 406.477

Accurate Mass: 406.178025

Percentage Composition: C 73.87%; H 6.45%; O 19.68%

Physical Description: Cryst.

Melting Point: Mp 142°

UV: [neutral] $\lambda_{\max}$ 270 (log ϵ 4.49) (MeOH)

>>Derivative: 5-Me ether

Synonym(s): 4',7-Dihydroxy-5-methoxy-6,8-diprenylisoflavone. **Derrisoflavone A**

Molecular Formula: C₂₆H₂₈O₅

Molecular Weight: 420.504

Accurate Mass: 420.193675

Percentage Composition: C 74.26%; H 6.71%; O 19.02%

Biological Source: Constit. of *Derris scandens*

Physical Description: Pale yellow powder

UV: [neutral] $\lambda_{\max}$ 202 (log ϵ 4.64); 260 (log ϵ 4.56) (MeOH)

>>Derivative: $\Delta^{3''}$ -Isomer, 2'''-hydroxy

Synonym(s): **Erysenegalsein E**

CAS Registry Number: 154992-17-3

Molecular Formula: C₂₅H₂₆O₆

Molecular Weight: 422.477

Accurate Mass: 422.17294

Percentage Composition: C 71.07%; H 6.20%; O 22.72%

Biological Source: Constit. of *Erythrina senegalensis*

Physical Description: Brown needles (cyclohexane)

Melting Point: Mp 255°

Optical Rotation: $[\alpha]_D^{20}$ +8 (c, 0.29 in CHCl₃)

>>Derivative: $\Delta^{3''}$ -Isomer, 2'''-hydroxy, 5-Me ether

Synonym(s): **Derrisoflavone E**

Molecular Formula: C₂₆H₂₈O₆

Molecular Weight: 436.504

Accurate Mass: 436.18859

Percentage Composition: C 71.54%; H 6.47%; O 21.99%

Biological Source: Constit. of *Derris scandens*

Physical Description: Pale brown powder

Optical Rotation: $[\alpha]_D$ +2 (c, 0.09 in EtOH)

UV: [neutral] $\lambda_{\max}$ 260 (log ϵ 4.6); 301 (sh) (log ϵ 4.02) (MeOH)