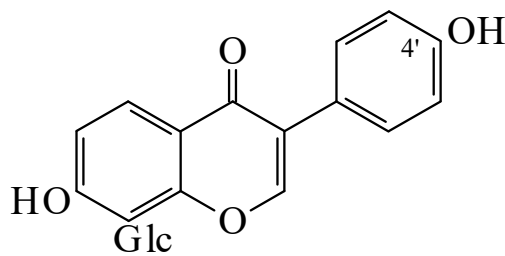




>>Entry Name: Puerarin

Synonym(s): 8-β-D-Glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4*H*-1-benzopyran-4-one. 8-β-D-Glucopyranosyl-4',7-dihydroxyisoflavone. Daidzein 8-*C*-glucoside. 8-Glucopyranosyl daidzein. 8-Glucosyl daidzein



CAS Registry Number: 3681-99-0

Related CAS Registry Numbers(s): 88418-04-6

Molecular Formula: C₂₁H₂₀O₉

Molecular Weight: 416.384

Accurate Mass: 416.110735

Percentage Composition: C 60.58%; H 4.84%; O 34.58%

Biological Source: Isol. from *Pueraria* spp.

Use/Importance: Possesses β-adrenergic receptor blocking props.

Melting Point: Mp 187°

Sigma: P1909

>>Derivative: 4',6''-Di-Ac

Synonym(s): 4',6''-Di-*O*-acetylpuerarin

CAS Registry Number: 24562-39-8

Molecular Formula: C₂₅H₂₄O₁₁

Molecular Weight: 500.458

Accurate Mass: 500.131865

Percentage Composition: C 60.00%; H 4.83%; O 35.17%

Biological Source: Isol. from *Pueraria tuberosa*

>>Derivative: 6''-*O*-D-Apio-β-D-furanoside

Synonym(s): Mirificin

CAS Registry Number: 103654-50-8

Molecular Formula: C₂₆H₂₈O₁₃

Molecular Weight: 548.499

Accurate Mass: 548.152995

Percentage Composition: C 56.93%; H 5.15%; O 37.92%

Biological Source: Isol. from *Pueraria mirifica*

Use/Importance: Possesses estrogenic props.

Calculated Log P Data: Log P -2.9 (uncertain value) (calc)

>>Derivative: *O*-Xyloside

Molecular Formula: C₂₆H₂₈O₁₃

Molecular Weight: 548.499

Accurate Mass: 548.152995

Percentage Composition: C 56.93%; H 5.15%; O 37.92%

Biological Source: Isol. from *Pueraria thunbergiana*

>>Derivative: 4'-Me ether

Synonym(s): 8-β-D-Glucopyranosyl-7-hydroxy-4'-methoxyisoflavone

CAS Registry Number: 92117-94-7

Molecular Formula: C₂₂H₂₂O₉

Molecular Weight: 430.41

Accurate Mass: 430.126385

Percentage Composition: C 61.39%; H 5.15%; O 33.46%

Biological Source: Isol. from *Pueraria* spp.