



Synonym(s): 6-β-D-Glucopyranosyl-5-hydroxy-4',7-dimethoxyflavone. **Embigenin**

CAS Registry Number: 21089-34-9

Molecular Formula: C₂₃H₂₄O₁₀

Molecular Weight: 460.437

Accurate Mass: 460.13695

Percentage Composition: C 60.00%; H 5.25%; O 34.75%

Biological Source: Isol. from *Siphonoglossa canbyi* and *Siphonoglossa mexicana*

Melting Point: Mp 236-238°

>>**Derivative:** 4'-Me ether, 5-O-β-D-glucopyranoside

CAS Registry Number: 83086-27-5

Molecular Formula: C₂₉H₃₄O₁₅

Molecular Weight: 622.579

Accurate Mass: 622.189775

Percentage Composition: C 55.95%; H 5.50%; O 38.55%

Biological Source: Found in the Polemoniaceae

>>**Derivative:** 2"-O-Arabinosyl

Synonym(s): Swertisin 2"-arabinoside

CAS Registry Number: 117715-06-7

Molecular Formula: C₂₇H₃₀O₁₄

Molecular Weight: 578.526

Accurate Mass: 578.16356

Percentage Composition: C 56.06%; H 5.23%; O 38.72%

Biological Source: Isol. from *Achillea fragrantissima*

>>**Derivative:** 2"-O-β-D-Xylopyranosyl

Synonym(s): 2"-O-Xylosylswertisin

CAS Registry Number: 155474-80-9

Molecular Formula: C₂₇H₃₀O₁₄

Molecular Weight: 578.526

Accurate Mass: 578.16356

Percentage Composition: C 56.06%; H 5.23%; O 38.72%

Biological Source: Constit. of the stem bark of *Galipea trifoliata*

>>**Derivative:** 2"-O-β-D-Glucopyranosyl

Synonym(s): Flavoayamenin. Spinosin

CAS Registry Number: 72063-39-9

Molecular Formula: C₂₈H₃₂O₁₅

Molecular Weight: 608.552

Accurate Mass: 608.174125

Percentage Composition: C 55.26%; H 5.30%; O 39.44%

Biological Source: Isol. from *Iris nertachinskia* and *Zizyphus* spp.

Biological Use/Importance: Shows mild sedative props.

Physical Description: Pale yellow needles (EtOH aq.)

Melting Point: Mp 258-259°

>>**Derivative:** 2"-O-β-D-Glucopyranosyl, 4'-Me ether

Synonym(s): Embinoidin

CAS Registry Number: 88721-10-2

Molecular Formula: C₂₉H₃₄O₁₅

Molecular Weight: 622.579

Accurate Mass: 622.189775

Percentage Composition: C 55.95%; H 5.50%; O 38.55%

Biological Source: Isol. from *Swertia* spp. and *Siphonoglossa sessilis*