



Percentage Composition: C 56.25%; H 4.50%; O 39.25%

Biological Source: Isol. from *Ophiopogon jaburan*, *Tellima grandiflora* and other plant spp.

Biological Use/Importance: Antihypertensive agent

Calculated Log P Data: Log P -2.47 (calc)

Other Data: Poss. identical with Lamioside from *Lamium* spp.

>>Derivative: 5-*O*-β-D-Glucopyranoside

Synonym(s): Kaempferol 5-glucoside

CAS Registry Number: 34157-80-7

Molecular Formula: C₂₁H₂₀O₁₁

Molecular Weight: 448.382

Accurate Mass: 448.100565

Percentage Composition: C 56.25%; H 4.50%; O 39.25%

Biological Source: Isol. from *Cotula* spp., *Pteridium aquilinum* and *Thespesia populnea*

Melting Point: Mp 213°

Optical Rotation: [α]_D -15 (c, 0.19 in MeOH)

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

Synonym(s): Kaempferol 3-mannoside. **Amoenin A₃**

CAS Registry Number: 206563-47-5

Molecular Formula: C₂₁H₂₀O₁₁

Molecular Weight: 448.382

Accurate Mass: 448.100565

Percentage Composition: C 56.25%; H 4.50%; O 39.25%

Biological Source: Constit. of *Vicia amoena*

Melting Point: Mp 235-236°

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

Synonym(s): Kaempferol 3-glucuronoside

CAS Registry Number: 22688-78-4

Molecular Formula: C₂₁H₁₈O₁₂

Molecular Weight: 462.366

Accurate Mass: 462.07983

Percentage Composition: C 54.55%; H 3.92%; O 41.52%

Biological Source: Isol. from the leaves of *Euphorbia lathyris*, *Euphorbia cyparissias*, *Anemone alpina* and *Phaseolus vulgaris* and many other plants

Melting Point: Mp 189-190.5°

>>Derivative: 3-*O*-β-D-Glucuronopyranoside, 7-*O*-sulfate

CAS Registry Number: 56857-61-5

Molecular Formula: C₂₁H₁₈O₁₅S

Molecular Weight: 542.43

Accurate Mass: 542.036645

Percentage Composition: C 46.50%; H 3.34%; O 44.24%; S 5.91%

Biological Source: Isol. from *Frankenia pulverulenta*

>>Derivative: 3-*O*-β-D-Glucuronopyranoside, Me ester

CAS Registry Number: 64290-92-2

Molecular Formula: C₂₂H₂₀O₁₂

Molecular Weight: 476.393

Accurate Mass: 476.09548

Percentage Composition: C 55.47%; H 4.23%; O 40.30%

Biological Source: Constit. of *Euphorbia dracunculoides*