



CAS Registry Number: 79174-98-4

Molecular Formula: C₁₅H₁₀O₁₅S₃

Molecular Weight: 526.433

Accurate Mass: 525.918185

Percentage Composition: C 34.22%; H 1.91%; O 45.59%; S 18.27%

Biological Source: Isol. from *Acrotema uniflorum*

>>**Derivative:** 3-*O*-[4-Hydroxy-3-methoxycinnamoyl-(→?)]-apioside]

Synonym(s): Kaempferol 3-(feruloylapioside)

CAS Registry Number: 185066-55-1

Molecular Formula: C₃₀H₂₆O₁₃

Molecular Weight: 594.528

Accurate Mass: 594.137345

Percentage Composition: C 60.61%; H 4.41%; O 34.98%

Biological Source: Constit. of *Pteridium aquilinum*

UV: [neutral] λ_{max} 265 (); 300 (sh) (); 321 () (MeOH)

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

Synonym(s): Kaempferol 3-α-L-arabinofuranoside. **Juglanin**‡. Euglanin

CAS Registry Number: 5041-67-8

Molecular Formula: C₂₀H₁₈O₁₀

Molecular Weight: 418.356

Accurate Mass: 418.09

Percentage Composition: C 57.42%; H 4.34%; O 38.24%

Biological Source: From leaves of *Juglans regia* and many other plant spp.

Physical Description: Pale yellow scales + 1½H₂O

Melting Point: Mp 224-225°

Optical Rotation: [α]_D²³ -169

>>**Derivative:** 3-*O*-α-L-Arabinofuranoside, 7-*O*-α-L-rhamnofuranoside

Synonym(s): Kaempferol 3-arabinofuranoside 7-rhamnofuranoside. **Ternoside**

CAS Registry Number: 27509-67-7

Molecular Formula: C₂₆H₂₈O₁₄

Molecular Weight: 564.499

Accurate Mass: 564.14791

Percentage Composition: C 55.32%; H 5.00%; O 39.68%

Biological Source: Isol. from *Prunus spinosa*

Biological Use/Importance: Possesses antiinflammatory props.

Calculated Log P Data: Log P -3.14 (uncertain value) (calc)

>>**Derivative:** 3-*O*-[4-Hydroxycinnamoyl-(→2)-α-L-arabinofuranoside]

Synonym(s): 2''-*O*-Coumaroyljuglanin

CAS Registry Number: 67214-05-5

Molecular Formula: C₂₉H₂₄O₁₂

Molecular Weight: 564.501

Accurate Mass: 564.12678

Percentage Composition: C 61.70%; H 4.29%; O 34.01%

Biological Source: Isol. from *Picea koraiensis*

>>**Derivative:** 3-*O*-α-D-Arabinopyranoside

Synonym(s): Kaempferol 3-α-D-arabinoside

Molecular Formula: C₂₀H₁₈O₁₀

Molecular Weight: 418.356

Accurate Mass: 418.09

Percentage Composition: C 57.42%; H 4.34%; O 38.24%

Biological Source: Constit. of *Polypodium decumanum* and *Polypodium triseriale*