



Accurate Mass: 580.142825
Percentage Composition: C 53.80%; H 4.86%; O 41.34%

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→?)-α-L-rhamnopyranoside]

CAS Registry Number: 137134-17-9

Molecular Formula: C₂₇H₃₀O₁₅
Molecular Weight: 594.525
Accurate Mass: 594.158475
Percentage Composition: C 54.55%; H 5.09%; O 40.37%
Biological Source: Constit. of *Geranium robertianum*

>>**Derivative:** 3-*O*-[4-Hydroxycinnamoyl-(→6)-β-D-glucopyranosyl-(1→2)-α-L-rhamnopyranoside]

CAS Registry Number: 107190-70-5

Molecular Formula: C₃₆H₃₆O₁₇
Molecular Weight: 740.67
Accurate Mass: 740.195255
Percentage Composition: C 58.38%; H 4.90%; O 36.72%
Biological Source: Isol. from *Ginkgo biloba*

>>**Derivative:** 3-*O*-[4-Hydroxycinnamoyl-(→6)-β-D-glucopyranosyl-(1→4)-α-L-rhamnopyranoside]

CAS Registry Number: 102231-39-0

Molecular Formula: C₃₆H₃₆O₁₇
Molecular Weight: 740.67
Accurate Mass: 740.195255
Percentage Composition: C 58.38%; H 4.90%; O 36.72%
Biological Source: Isol. from *Ginkgo biloba*
Physical Description: Pale yellow solid
Melting Point: Mp 337°
Optical Rotation: [α]_D²⁰ -60 (c, 1 in EtOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-glucopyranoside]

Synonym(s): Kaempferol 3-sophoroside. **Sophoraflavonololide**

CAS Registry Number: 19895-95-5

Molecular Formula: C₂₇H₃₀O₁₆
Molecular Weight: 610.524
Accurate Mass: 610.15339
Percentage Composition: C 53.12%; H 4.95%; O 41.93%
Biological Source: Isol. from *Sophora japonica* and other plant spp.
Physical Description: Yellow cryst. (H₂O)
Melting Point: Mp 207-208° (195-198°)
Optical Rotation: [α]_D²¹ -61 (EtOH)

>>**Derivative:** 3-*O*-[4-Hydroxy-3-methoxycinnamoyl-(1→?)-β-D-glucopyranosyl-(1→2)-β-D-glucopyranoside]

Synonym(s): **Petunoside**. Kaempferol 3-(*O*"-feruloylsophoroside)

Molecular Formula: C₃₇H₃₈O₁₉
Molecular Weight: 786.696
Accurate Mass: 786.200735
Percentage Composition: C 56.49%; H 4.87%; O 38.64%
Biological Source: Isol. from *Petunia hybrida*
Physical Description: Light yellow needles + 1H₂O (H₂O)
Melting Point: Mp 201-203°
Optical Rotation: [α]_D²⁰ -64.3 (90% EtOH aq.)