



Synonym(s): Amurenoside A

Molecular Formula: C₄₃H₄₈O₂₃

Molecular Weight: 932.838

Accurate Mass: 932.258645

Percentage Composition: C 55.37%; H 5.19%; O 39.45%

Biological Source: Cosntit. of *Vicia amurensis*

Physical Description: Amorph. yellowish powder (EtOAc/MeOH)

Melting Point: Mp 195-215°

Optical Rotation: [α]_D¹³ -4.3 (c, 0.09 in MeOH)

UV: [neutral] $\lambda_{\max}$ 253 (log ϵ 4.43); 268 (sh) (log ϵ 4.32); 300 (sh) (log ϵ 4.34); 329 (log ϵ 4.49) (MeOH)

>> **Derivative:** 6"-O- α -L-Rhamnopyranosyl

Synonym(s): Quercetin 3-robinobioside

CAS Registry Number: 52525-35-6

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 *Crataegus pinnatifida*, *Primula officinalis* and other plant spp.

>> **Derivative:** 7-O- α -L-Rhamnopyranoside

CAS Registry Number: 38784-81-5

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 *Caltha palustris*, *Cladothamnus pyrolaeiflorus* and *Solanum* spp.

>> **Derivative:** 7-O- α -L-Rhamnopyranoside, 6"-Ac

CAS Registry Number: 124027-51-6

Molecular Formula: C₂₉H₃₂O₁₇

Molecular Weight: 652.562

Accurate Mass: 652.163955

Percentage Composition: C 53.38%; H 4.94%; O 41.68%

Biological Source: Isol. from *Vicia faba*

>> **Derivative:** 2",6"-Di-O- α -L-rhamnopyranosyl

CAS Registry Number: 124151-38-8

Molecular Formula: C₃₃H₄₀O₂₀

Molecular Weight: 756.667

Accurate Mass: 756.2113

Percentage Composition: C 52.38%; H 5.33%; O 42.29%

Biological Source: Isol. from *Alangium platanifolium trilobum* and *Lysimachia* spp.

Physical Description: Yellow needles (MeCN aq.)

Melting Point: Mp 185-188°