



Molecular Formula: C₃₃H₄₀O₁₉
Molecular Weight: 740.668
Accurate Mass: 740.216385
Percentage Composition: C 53.51%; H 5.44%; O 41.04%
Biological Source: Isol. from *Coronilla emerus*
Physical Description: Cream powder (EtOH aq.)
Melting Point: Mp 248-250°

>> **Derivative:** 4',7-Di-*O*-β-D-glucopyranoside
Synonym(s): Kaempferol 3,4',7-triglucoside

CAS Registry Number: 108887-48-5

Molecular Formula: C₃₃H₄₀O₂₁
Molecular Weight: 772.666
Accurate Mass: 772.206215
Percentage Composition: C 51.30%; H 5.22%; O 43.48%
Biological Source: Constit. of the flower of *Pseuderucaria clavata*

>> **Derivative:** 6"-Ac
Synonym(s): 6"-*O*-Acetylastragalin

CAS Registry Number: 118169-27-0

Molecular Formula: C₂₃H₂₂O₁₂
Molecular Weight: 490.42
Accurate Mass: 490.11113
Percentage Composition: C 56.33%; H 4.52%; O 39.15%
Biological Source: Constit. of *Arnica* sp. and *Solidago* sp.

>> **Derivative:** Mono-Ac
Synonym(s): Acetylastragalin

CAS Registry Number: 36310-43-7

Molecular Formula: C₂₃H₂₂O₁₂
Molecular Weight: 490.42
Accurate Mass: 490.11113
Percentage Composition: C 56.33%; H 4.52%; O 39.15%
Biological Source: Isol. from *Senecio aureus* and *Glycyrrhiza glabra*
Other Data: Full struct. not determined. May be identical with the 6"-Ac above

>> **Derivative:** 6"-*O*-(2-Butenoyl)
Synonym(s): 6"-*O*-Crotonylastragalin

CAS Registry Number: 139766-98-6

Molecular Formula: C₂₅H₂₄O₁₂
Molecular Weight: 516.457
Accurate Mass: 516.12678
Percentage Composition: C 58.14%; H 4.68%; O 37.17%
Biological Source: Constit. of *Saussurea japonica*

>> **Derivative:** 6"-*O*-Malonoyl
Synonym(s): 6"-Malonylastragalin

CAS Registry Number: 81149-02-2

Molecular Formula: C₂₄H₂₂O₁₄
Molecular Weight: 534.429
Accurate Mass: 534.10096
Percentage Composition: C 53.94%; H 4.15%; O 41.91%
Biological Source: Constit. of *Bryum* sp., *Ceterach* sp., *Cicer* sp. and pears