



Molecular Formula: C₃₃H₅₂O₇
Molecular Weight: 560.77
Accurate Mass: 560.371305
Percentage Composition: C 70.68%; H 9.35%; O 19.97%
Biological Source: Isol. from epigeal parts of *Smilax excelsa*
Melting Point: Mp 220-222°
Optical Rotation: [α]_D²⁰ -112 (c, 0.8 in EtOH)

>> **Derivative:** 3-*O*- β -D-Galactopyranoside
Synonym(s): Capsicoside A₃

CAS Registry Number: 14270-72-5

Molecular Formula: C₃₃H₅₂O₈
Molecular Weight: 576.769
Accurate Mass: 576.36622
Percentage Composition: C 68.72%; H 9.09%; O 22.19%
Biological Source: Constit. of *Capsicum annuum*

>> **Derivative:** 3-*O*- β -D-Glucopyranoside
Synonym(s): Trillin. Disogluside, INN. Alliumoside A. Collettiside I. Funkioside A. Melongoside B. Polygonatoside A. Polyphyllin A. Prosapogenin D'₃. WA 185

CAS Registry Number: 14144-06-0

Molecular Formula: C₃₃H₅₂O₈
Molecular Weight: 576.769
Accurate Mass: 576.36622
Percentage Composition: C 68.72%; H 9.09%; O 22.19%
Biological Source: Constit. of *Dioscorea* spp., *Yucca* spp., *Trillium terrestris*, *Trillium kamtschaticum*, *Trillium erectum*, *Trillium foenum graeum* and *Paris polyphylla*
Biological Use/Importance: Platelet aggregation inhibitor. Used for treatment of menorrhagia
Physical Description: Cryst. + ½ H₂O (MeOH)
Melting Point: Mp 275-280 dec.°
Optical Rotation: [α]_D -103 (dioxan)
Solubility: Sol. MeOH, CHCl₃; poorly sol. H₂O
Calculated Log P Data: Log P 3.54 (uncertain value) (calc)

>> **Derivative:** 3-*O*-[β -D-Apiofuranosyl-(1→4)- β -D-glucopyranoside]
Synonym(s): Aferoside C

CAS Registry Number: 197151-33-0

Molecular Formula: C₃₈H₆₀O₁₂
Molecular Weight: 708.885
Accurate Mass: 708.40848
Percentage Composition: C 64.39%; H 8.53%; O 27.08%
Biological Source: Constit. of *Costus afer*
Physical Description: Amorph. powder
Optical Rotation: [α]_D²⁶ -72.9 (c, 1.58 in MeOH)

>> **Derivative:** 3-*O*-[β -D-Xylopyranosyl-(1→4)- β -D-glucopyranoside]
Synonym(s): Sprengerinin A

CAS Registry Number: 88866-99-3

Molecular Formula: C₃₈H₆₀O₁₂
Molecular Weight: 708.885
Accurate Mass: 708.40848
Percentage Composition: C 64.39%; H 8.53%; O 27.08%
Biological Source: Constit. of *Asparagus sprengeri*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 240-242°
Optical Rotation: [α]_D²⁰ -90.4 (c, 1 in Py)