



Accurate Mass: 872.476955
Percentage Composition: C 60.53%; H 8.31%; O 31.15%
Biological Source: Constit. of *Smilax sieboldii*
Physical Description: Needles (MeOH)
Melting Point: Mp 279-280°
Optical Rotation: $[\alpha]_{\text{D}}^{21} -100$ (c, 0.1 in Py)

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

CAS Registry Number: 53549-49-8

Molecular Formula: C₄₅H₇₄O₁₇
Molecular Weight: 887.069
Accurate Mass: 886.492605
Percentage Composition: C 60.93%; H 8.41%; O 30.66%
Biological Source: Constit. of *Tribulus terrestris*
Melting Point: Mp 238-240°
Other Data: Struct. not fully determined

>>**Derivative:** 3-*O*-[β-D-Galactopyranosyl-(1→2)-*O*-[β-D-xylopyranosyl-(1→3)-β-D-glucopyranosyl-(1→4)]-β-D-galactopyranoside]
Synonym(s): Desglucolanatigonin II

CAS Registry Number: 40043-49-0

Molecular Formula: C₅₀H₈₂O₂₂
Molecular Weight: 1035.185
Accurate Mass: 1034.52978
Percentage Composition: C 58.01%; H 7.98%; O 34.00%
Biological Source: Isol. from *Digitalis lanata*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 246-251 dec.°
Optical Rotation: $[\alpha]_{\text{D}}^{22} -47.6$ (c, 0.67 in CHCl₃/MeOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→2)-[β-D-xylopyranosyl-(1→3)]-β-D-glucopyranosyl-(1→4)-β-D-galactopyranoside]
Synonym(s): Uttronin A. Tigogenin lycotetraoside. Degalactotigonin

CAS Registry Number: 39941-51-0

Molecular Formula: C₅₀H₈₂O₂₂
Molecular Weight: 1035.185
Accurate Mass: 1034.52978
Percentage Composition: C 58.01%; H 7.98%; O 34.00%
Biological Source: Constit. of *Solanum nigrum*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 241-245°. Mp 277-280 dec.°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -51$ (c, 1.5 in Py). $[\alpha]_{\text{D}}^{22} -49.6$ (c, 0.9 in Py)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→3)-[β-D-xylopyranosyl-(1→2)]-β-D-glucopyranosyl-(1→4)-β-D-galactopyranoside]
Synonym(s): Dongnoside E

CAS Registry Number: 125265-72-7

Molecular Formula: C₅₀H₈₂O₂₂
Molecular Weight: 1035.185
Accurate Mass: 1034.52978
Percentage Composition: C 58.01%; H 7.98%; O 34.00%
Biological Source: Constit. of *Agave sisalana*. Component of Dong Yi Hao Jian Ma
Physical Description: Powder (MeOH)
Melting Point: Mp 250-253 dec.°
Optical Rotation: $[\alpha]_{\text{D}}^{26} -58.8$ (c, 0.03 in Py)