



Molecular Weight: 414.627
Accurate Mass: 414.313395
Percentage Composition: C 78.21%; H 10.21%; O 11.58%
Biological Source: Constit. of *Agave sisalana*
Physical Description: Cryst. (EtOH)
Melting Point: Mp 216-218°
Optical Rotation: $[\alpha]_D^{30} -62$ (CHCl₃)

>>Variant: (3β,5α,25ξ)-form

Molecular Formula: C₂₇H₄₄O₃
Molecular Weight: 416.643
Accurate Mass: 416.329045
Percentage Composition: C 77.84%; H 10.64%; O 11.52%

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

CAS Registry Number: 179799-23-6

Molecular Formula: C₄₅H₇₄O₁₈
Molecular Weight: 903.069
Accurate Mass: 902.48752
Percentage Composition: C 59.85%; H 8.26%; O 31.89%
Biological Source: Constit. of *Trilobus terrestris*
Physical Description: Needles (MeOH)
Melting Point: Mp 227-230°
Optical Rotation: $[\alpha]_D^{24} -56.5$ (c, 0.65 in Py)
Other Data: Mixt. of C-25 epimers

>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-[α-L-rhamnopyranosyl-(1→2)]-β-D-galactopyranoside]
Synonym(s): Terrestrosin B

CAS Registry Number: 179464-22-3

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 *Trilobus terrestris*
Physical Description: Needles (MeOH/CHCl₃)
Melting Point: Mp 296-300 dec.°
Optical Rotation: $[\alpha]_D^{24} -90.5$ (c, 0.22 in Py)
Other Data: Mixt. of C-25 epimers

>>Variant: (3β,5β,25*R*)-form

Synonym(s): Smilagenin. Isosarsapogenin

CAS Registry Number: 126-18-1

Molecular Formula: C₂₇H₄₄O₃
Molecular Weight: 416.643
Accurate Mass: 416.329045
Percentage Composition: C 77.84%; H 10.64%; O 11.52%
Biological Source: Constit. of *Smilax ornata*, also from *Agave* spp., *Yucca* spp. and others
Physical Description: Cryst. (Me₂CO)
Melting Point: Mp 185°
Optical Rotation: $[\alpha]_D^{25} -69$ (c, 0.5 in CHCl₃)
Sigma: S0541