



Molecular Formula: C₄₃H₇₂O₄
Molecular Weight: 653.039
Accurate Mass: 652.54306
Percentage Composition: C 79.09%; H 11.11%; O 9.80%
Biological Source: Constit. of *Dioscorea collettii*
Physical Description: Cryst.
Melting Point: Mp 80°
Optical Rotation: [α]_D²⁰ -82 (c, 0.84 in CHCl₃)

>>Derivative: Benzoyl

CAS Registry Number: 4952-68-5
Molecular Formula: C₃₄H₄₆O₄
Molecular Weight: 518.735
Accurate Mass: 518.33961
Percentage Composition: C 78.72%; H 8.94%; O 12.34%
Melting Point: Mp 236-241°
Optical Rotation: [α]_D¹⁷ -45 (Py)

>>Variant: (3 β ,25*S*)-form

Synonym(s): Yamogenin. Neodiosgenin

CAS Registry Number: 512-06-1

Molecular Formula: C₂₇H₄₂O₃
Molecular Weight: 414.627
Accurate Mass: 414.313395
Percentage Composition: C 78.21%; H 10.21%; O 11.58%
Biological Source: Sapogenin from *Dioscorea* spp., *Solanum dulcamara* and *Agave* spp.
Physical Description: Cryst. (Me₂CO)
Melting Point: Mp 201°
Optical Rotation: [α]_D²⁵ -123

>>Derivative: 3-*O*- α -L-Rhamnopyranoside

Synonym(s): Zingiberoside A₁

CAS Registry Number: 110996-52-6

Molecular Formula: C₃₃H₅₂O₇
Molecular Weight: 560.77
Accurate Mass: 560.371305
Percentage Composition: C 70.68%; H 9.35%; O 19.97%
Biological Source: Constit. of *Dioscorea zingiberensis*

>>Derivative: 3-*O*- β -D-Glucopyranoside

Synonym(s): Collettinside I

CAS Registry Number: 60134-72-7

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 collettii*
Physical Description: Yellow powder
Melting Point: Mp 258-261°
Optical Rotation: [α]_D²⁰ -96 (c, 0.1 in MeOH)

>>Derivative: 3-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 3)- β -D-glucopyranoside]

CAS Registry Number: 94271-04-2

Molecular Formula: C₃₉H₆₂O₁₂
Molecular Weight: 722.912
Accurate Mass: 722.42413
Percentage Composition: C 64.80%; H 8.64%; O 26.56%
Biological Source: Constit. of *Asparagus plumosus* and *Asparagus curillus*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 230-231°
Optical Rotation: [α]