



Molecular Formula: C₄₈H₇₆O₁₈
Molecular Weight: 941.118
Accurate Mass: 940.50317
Percentage Composition: C 61.26%; H 8.14%; O 30.60%
Biological Source: Constit. of *Asclepias incarnata*
Physical Description: Amorph. powder
Optical Rotation: [α]_D²⁴+21.5 (c, 0.59 in MeOH)

>>Derivative: 12-Ac, 3-O-[β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-oleandropyranosyl-(1 $\rightarrow$ 4)- β -D-digitoxopyranosyl-(1 $\rightarrow$ 4)- β -D-digitoxopyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranoside]

CAS Registry Number: 267422-85-5

Molecular Formula: C₅₅H₈₈O₂₃
Molecular Weight: 1117.286
Accurate Mass: 1116.571645
Percentage Composition: C 59.13%; H 7.94%; O 32.94%
Biological Source: Constit. of *Asclepias incarnata*
Physical Description: Amorph. powder
Optical Rotation: [α]_D²⁷-10 (c, 1 in MeOH)

>>Derivative: 12-Ac, 3-O-[β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-oleandropyranosyl-(1 $\rightarrow$ 4)- β -D-digitoxopyranosyl-(1 $\rightarrow$ 4)- β -D-digitoxopyranosyl-(1 $\rightarrow$ 4)- β -D-digitoxopyranoside]

CAS Registry Number: 267422-72-0

Molecular Formula: C₅₄H₈₆O₂₃
Molecular Weight: 1103.26
Accurate Mass: 1102.555995
Percentage Composition: C 58.79%; H 7.86%; O 33.35%
Biological Source: Constit. of *Asclepias incarnata*
Physical Description: Amorph. powder
Optical Rotation: [α]_D²⁷-13.8 (c, 1.47 in MeOH)

>>Derivative: 12-(3,4-Dimethyl-2-pentenoyl)
Synonym(s): Cynanchogenin. Sibiricogenin

CAS Registry Number: 6870-10-6

Molecular Formula: C₂₈H₄₂O₆
Molecular Weight: 474.636
Accurate Mass: 474.29814
Percentage Composition: C 70.86%; H 8.92%; O 20.23%
Biological Source: Aglycone from *Cynanchum caudatum*
Physical Description: Cryst.
Melting Point: Mp 167°
Optical Rotation: [α]_D-39.5 (c, 1.24 in EtOH)

>>Derivative: 12-O-(3,4-Dimethyl-2-pentenoyl), 3-O-[β -D-cymaropyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranoside]
Synonym(s): Cynanchoside C1

CAS Registry Number: 84272-81-1

Molecular Formula: C₄₉H₇₈O₁₅
Molecular Weight: 907.146
Accurate Mass: 906.534075
Percentage Composition: C 64.88%; H 8.67%; O 26.46%
Biological Source: Saponin from *Cynanchum caudatum*
Physical Description: Amorph. solid + ½H₂O
Melting Point: Mp 123.5-129°
Optical Rotation: [α]_D+30.4 (c, 0.25 in CHCl₃)