



Biological Source: Constit. of *Sinomarsdenia incisa*

Physical Description: Amorph. powder

Melting Point: Mp 138-142°

Optical Rotation: $[\alpha]_D^{20} +41.1$ (c, 0.34 in CHCl_3)

UV: [neutral] $\lambda_{\max}$ 221 (log ϵ 4.67) (EtOH)

>>**Derivative:** 12-(3,4-Dimethyl-2*E*-pentenoyl)

Synonym(s): Caudatin

CAS Registry Number: 38395-02-7

Molecular Formula: $\text{C}_{28}\text{H}_{42}\text{O}_7$

Molecular Weight: 490.636

Accurate Mass: 490.293055

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Biological Source: Constit. of *Cynanchum caudatum*

Physical Description: Cryst.

Melting Point: Mp 158-160°. Mp 190-195°

Optical Rotation: $[\alpha]_D^{20} +20.8$ (c, 0.5 in CHCl_3)

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

Molecular Formula: $\text{C}_{42}\text{H}_{66}\text{O}_{13}$

Molecular Weight: 778.976

Accurate Mass: 778.450345

Percentage Composition: C 64.76%; H 8.54%; O 26.70%

Biological Source: Constit. of *Cynanchum caudatum*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{20} +11.9$ (c, 0.56 in MeOH)

>>**Derivative:** 12-(3,4-Dimethyl-2*E*-pentenoyl), 3-*O*-[β -D-oleandropyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranoside]

Molecular Formula: $\text{C}_{42}\text{H}_{66}\text{O}_{13}$

Molecular Weight: 778.976

Accurate Mass: 778.450345

Percentage Composition: C 64.76%; H 8.54%; O 26.70%

Biological Source: Constit. of *Cynanchum caudatum*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{20} -8.9$ (c, 0.71 in MeOH)

>>**Derivative:** 12-(3,4-Dimethyl-2*E*-pentenoyl), 3-*O*-[β -D-cymaropyranosyl-(1 $\rightarrow$ 4)- α -L-diginopyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranosyl]

Synonym(s): Wilfoside C3N

CAS Registry Number: 96894-45-0

Molecular Formula: $\text{C}_{49}\text{H}_{78}\text{O}_{16}$

Molecular Weight: 923.146

Accurate Mass: 922.52899

Percentage Composition: C 63.75%; H 8.52%; O 27.73%

Biological Source: Constit. of *Cynanchum wilfordi*

Physical Description: Amorph. powder

Melting Point: Mp 124-126.5°

Optical Rotation: $[\alpha]_D +14.8$ (c, 0.96 in CHCl_3)

>>**Derivative:** 12-(3,4-Dimethyl-2*E*-pentenoyl), 3-*O*-[α -L-cymaropyranosyl-(1 $\rightarrow$ 4)- β -D-oleandropyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranoside]

Molecular Formula: $\text{C}_{49}\text{H}_{78}\text{O}_{16}$

Molecular Weight: 923.146

Accurate Mass: 922.52899

Percentage Composition: C 63.75%; H 8.52%; O 27.73%

Biological Source: Constit. of *Cynanchum caudatum*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{20} -47.4$ (c, 0.57 in MeOH)