



Molecular Formula: C₂₈H₄₀O₇

Molecular Weight: 488.62

Accurate Mass: 488.277405

Percentage Composition: C 68.83%; H 8.25%; O 22.92%

Biological Source: Constit. of *Marsdenia tenacissima*

Physical Description: Amorph. powder

Optical Rotation: [α]_D +0.5 (c, 0.39 in MeOH)

>>**Derivative:** 11-Tigloyl, 12-Ac, 3-*O*-[6-deoxy-3-*O*-methyl- β -D-allopyranosyl-(1 $\rightarrow$ 4)-2,6-dideoxy-3-*O*-methyl- β -D-*arabino*-hexopyranoside]

Synonym(s): Tenacissimoside A. Tenacissoside F

CAS Registry Number: 191729-43-8

Molecular Formula: C₄₂H₆₄O₁₄

Molecular Weight: 792.959

Accurate Mass: 792.42961

Percentage Composition: C 63.62%; H 8.13%; O 28.25%

Biological Source: Constit. of *Marsdenia tenacissima*

Physical Description: Cryst.

Melting Point: Mp 138-140°

Optical Rotation: [α]_D 0 (c, 0.032 in MeOH)

UV: [neutral] $\lambda_{\max}$ 216 (log ϵ 3.97) (MeOH)

>>**Derivative:** 12-Tigloyl, 11-(2-methylbutanoyl)

CAS Registry Number: 154022-54-5

Molecular Formula: C₃₁H₄₆O₇

Molecular Weight: 530.7

Accurate Mass: 530.324355

Percentage Composition: C 70.16%; H 8.74%; O 21.10%

Biological Source: Constit. of *Marsdenia tenacissima*

Physical Description: Amorph. powder

UV: [neutral] $\lambda_{\max}$ 218 (ϵ 7413) (MeOH) (Berdy)

>>**Derivative:** 11,12-Ditigloyl

CAS Registry Number: 154022-56-7

Molecular Formula: C₃₁H₄₄O₇

Molecular Weight: 528.684

Accurate Mass: 528.308705

Percentage Composition: C 70.43%; H 8.39%; O 21.18%

Biological Source: Constit. of *Marsdenia tenacissima*

Physical Description: Amorph. powder

UV: [neutral] $\lambda_{\max}$ 217 (ϵ 7080) (MeOH) (Berdy)

>>**Derivative:** 11-Benzoyl, 12-Ac

CAS Registry Number: 154022-52-3

Molecular Formula: C₃₀H₃₈O₇

Molecular Weight: 510.626

Accurate Mass: 510.261755

Percentage Composition: C 70.57%; H 7.50%; O 21.93%

Biological Source: Constit. of *Marsdenia tenacissima*

Physical Description: Amorph. powder

Optical Rotation: [α]_D -5 (c, 0.12 in CHCl₃)

Other Data: MF error in paper