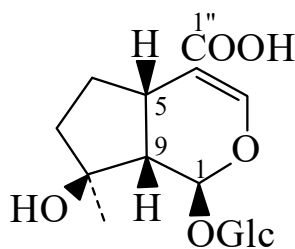




>>Entry Name: **Mussaenosidic acid**



CAS Registry Number: 82451-22-7

Molecular Formula: C₁₆H₂₄O₁₀

Molecular Weight: 376.36

Accurate Mass: 376.13695

Percentage Composition: C 51.06%; H 6.43%; O 42.51%

Biological Source: Constit. of *Melampyrum cristatum*

Physical Description: Foam

Optical Rotation: [α]_D²⁰ -118 (c, 0.7 in MeOH)

>>Derivative: Me ester

Synonym(s): Mussaenoside. Linearoside‡

CAS Registry Number: 64421-27-8

Extra CAS Registry Numbers(s): 73284-85-2

Molecular Formula: C₁₇H₂₆O₁₀

Molecular Weight: 390.386

Accurate Mass: 390.1526

Percentage Composition: C 52.30%; H 6.71%; O 40.98%

Biological Source: Isol. from *Mussaenda parviflora*, *Mussaenda arvense*, *Mussaenda shikokiana* and *Anticharis linearis*

Physical Description: Powder

Optical Rotation: [α]_D³⁰ -106 (c, 0.6 in MeOH)

Other Data: Stereochem. of Linearoside not determined

>>Derivative: 2'-O- β -D-Apiofuranosyl

Synonym(s): Inerminoside A1

CAS Registry Number: 155656-95-4

Molecular Formula: C₂₁H₃₂O₁₄

Molecular Weight: 508.475

Accurate Mass: 508.17921

Percentage Composition: C 49.61%; H 6.34%; O 44.05%

Biological Source: Constit. of *Clerodendrum inerme*

Physical Description: Amorph. powder

>>Derivative: 2'-O-[4-Hydroxybenzoyl-($\rightarrow$ 5)- β -D-apiofuranosyl]

Synonym(s): Inerminoside C

CAS Registry Number: 160492-62-6

Molecular Formula: C₂₈H₃₆O₁₆

Molecular Weight: 628.583

Accurate Mass: 628.20034

Percentage Composition: C 53.50%; H 5.77%; O 40.73%

Biological Source: Constit. of *Clerodendrum inerme*

Physical Description: Amorph. powder

>>Derivative: 6'-O-(6-Hydroxy-2,6-dimethyl-2,7-octadienoyl)

Synonym(s): 6'-O-Menthafoylmussaenosidic acid

Molecular Formula: C₂₆H₃₈O₁₂

Molecular Weight: 542.579

Accurate Mass: 542.23633

Percentage Composition: C 57.56%; H 7.06%; O 35.39%

Biological Source: Constit. of *Veronica bellidioides*