



UV: [neutral] $\lambda_{\max}$ 238 (log ϵ 4.11) (EtOH)

>>Derivative: 6'-O-[4-Hydroxy-Z-cinnamoyl-($\rightarrow$ 6)- β -D-glucopyranosyl], Me ester

Synonym(s): 6"-O-*p-cis*-Coumaroylgenipin gentiobioside

Molecular Formula: C₃₂H₄₀O₁₇

Molecular Weight: 696.658

Accurate Mass: 696.226555

Percentage Composition: C 55.17%; H 5.79%; O 39.04%

Biological Source: Constit. of *Gardenia jasminoides*

Physical Description: Amorph. powder

Optical Rotation: [α]_D +7.05 (c, 0.15 in MeOH)

UV: [neutral] $\lambda_{\max}$ 230 (log ϵ 4.14); 308 (log ϵ 4.09) (MeOH)

>>Derivative: Aglycone, Me ester

Synonym(s): Genipin

CAS Registry Number: 6902-77-8

Molecular Formula: C₁₁H₁₄O₅

Molecular Weight: 226.229

Accurate Mass: 226.084125

Percentage Composition: C 58.40%; H 6.24%; O 35.36%

Biological Source: Constit. of *Genipa americana*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 120-121°

Optical Rotation: [α]_D +135 (MeOH)

>>Derivative: Aglycone, 10-Ac, Me ester

Synonym(s): Genipin acetate

CAS Registry Number: 62218-51-3

Molecular Formula: C₁₃H₁₆O₆

Molecular Weight: 268.266

Accurate Mass: 268.09469

Percentage Composition: C 58.20%; H 6.01%; O 35.78%

Biological Source: Constit. of *Apodytes dimidiata* (Icacinaceae)

Physical Description: Oil

Optical Rotation: [α]_D²⁰ +22.6 (c, 0.06 in CDCl₃)

References:

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