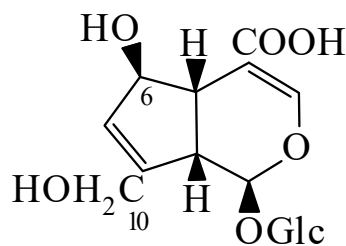




>>Entry Name: Scandoside



CAS Registry Number: 18842-99-4

Molecular Formula: C₁₆H₂₂O₁₁

Molecular Weight: 390.343

Accurate Mass: 390.116215

Percentage Composition: C 49.23%; H 5.68%; O 45.09%

Biological Source: Constit. of *Paederia scandens*

Physical Description: Hygroscopic powder

Melting Point: Mp 139-143°

Optical Rotation: $[\alpha]_D^{20} -53.3$ (H₂O)

Solubility: BERDY SOL: Sol. H₂O, MeOH; poorly sol. hexane

UV: [neutral] $\lambda_{\max}$ 238 (ϵ 14400) (MeOH) (Berdy)

>>Derivative: Me ester

Synonym(s): Feretoside

CAS Registry Number: 27530-67-2

Molecular Formula: C₁₇H₂₄O₁₁

Molecular Weight: 404.37

Accurate Mass: 404.131865

Percentage Composition: C 50.50%; H 5.98%; O 43.52%

Biological Source: Constit. of *Gardenia jasminoides* and *Feretia apodanthera*

Physical Description: Powder

Optical Rotation: $[\alpha]_D^{34} -56.1$ (c, 2.4 in MeOH)

>>Derivative: Hexa-Ac, Me ester

Molecular Formula: C₃₀H₃₆O₁₇

Molecular Weight: 668.604

Accurate Mass: 668.195255

Percentage Composition: C 53.89%; H 5.43%; O 40.68%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 134°

Optical Rotation: $[\alpha]_D -78$ (c, 0.5 in MeOH)

>>Derivative: 6-Butanoyl, Me ester

Synonym(s): 6 α -Butoxygeniposide

Molecular Formula: C₂₁H₃₀O₁₂

Molecular Weight: 474.461

Accurate Mass: 474.17373

Percentage Composition: C 53.16%; H 6.37%; O 40.47%

Biological Source: Constit. of *Gardenia jasminoides*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D +15$ (c, 0.4 in MeOH)

UV: [neutral] $\lambda_{\max}$ 235 (log ϵ 3.92) (MeOH)