



Synonym(s): 3'-Epi-17β-hydroxyafroside

Molecular Formula: C₂₉H₄₂O₁₀

Molecular Weight: 550.645

Accurate Mass: 550.2778

Percentage Composition: C 63.26%; H 7.69%; O 29.06%

Biological Source: Constit. of *Asclepias fruticosa*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²²+41.3 (c, 0.8 in MeOH)

>>Derivative: 3'-Epimer, 19-oxo

Synonym(s): Calotropin. Pekilocerin A

CAS Registry Number: 1986-70-5

Molecular Formula: C₂₉H₄₀O₉

Molecular Weight: 532.63

Accurate Mass: 532.267235

Percentage Composition: C 65.40%; H 7.57%; O 27.03%

Biological Source: Found in *Calotropis procera*

Use/Importance: African arrow poison

Physical Description: Cryst.

Melting Point: Mp 221°

Optical Rotation: [α]_D¹⁸+66.8 (MeOH)

UV: [neutral] $\lambda_{\max}$ 217 (ϵ 16300); 310 (ϵ 32) (EtOH) (Berdy)

Hazard & Toxicity: LD₅₀ (cat, ivn) 0.1 mg/kg

>>Derivative: 3'-Epimer, 19-oxo, 3'-Ac

Synonym(s): Asclepin

CAS Registry Number: 36573-63-4

Molecular Formula: C₃₁H₄₂O₁₀

Molecular Weight: 574.667

Accurate Mass: 574.2778

Percentage Composition: C 64.79%; H 7.37%; O 27.84%

Biological Source: Constit. of *Asclepias curassavica*

Use/Importance: Cardiotonic agent

Physical Description: Cryst. (MeOH)

Melting Point: Mp 308-309°

Optical Rotation: [α]_D+10 (CHCl₃)

Calculated Log P Data: Log P -0.98 (uncertain value) (calc)

>>Derivative: 3'-Epimer, 19-oxo, 5,6-didehydro

Synonym(s): 5,6-Dehydrocalotropin. Δ^5 -Calotropin

CAS Registry Number: 124761-18-8

Molecular Formula: C₂₉H₃₈O₉

Molecular Weight: 530.614

Accurate Mass: 530.251585

Percentage Composition: C 65.64%; H 7.22%; O 27.14%

Biological Source: Constit. of *Asclepias vestita*

>>Derivative: 3'-Epimer, 19-oxo, 5,6-didehydro, 3'-O-β-D-glucopyranoside

Synonym(s): Δ^5 -Calotropin 3'-glucoside

CAS Registry Number: 289901-93-5

Molecular Formula: C₃₅H₄₈O₁₄

Molecular Weight: 692.756

Accurate Mass: 692.30441

Percentage Composition: C 60.68%; H 6.98%; O 32.33%

Biological Source: Constit. of *Asclepias tuberosa*

Physical Description: Cryst.

Melting Point: Mp 250-260 dec.°

Optical Rotation: [α]