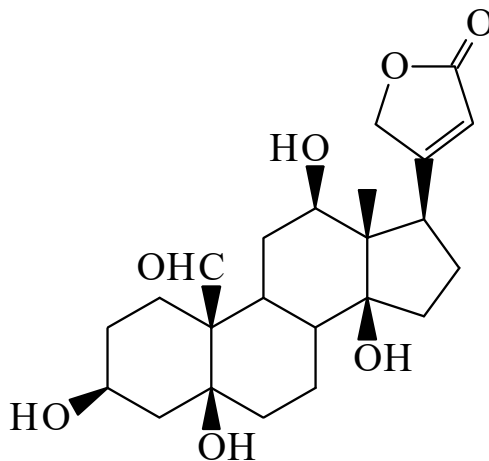




>>Entry Name: Antiarigenin

Synonym(s): 19-Oxo-3 β ,5 β ,12 β ,14 β -tetrahydroxycard-20(22)-enolide



CAS Registry Number: 749-72-4

Molecular Formula: C₂₃H₃₂O₇

Molecular Weight: 420.502

Accurate Mass: 420.214805

Percentage Composition: C 65.70%; H 7.67%; O 26.63%

Biological Source: Aglycone from *Antiaris toxicaria*

Physical Description: Cryst.

Melting Point: Mp 242°

Optical Rotation: [α]_D +42

>>Derivative: 3-O-(6-Deoxy- β -D-gulopyranoside)

Synonym(s): α -Antiarin

CAS Registry Number: 23605-05-2

Molecular Formula: C₂₉H₄₂O₁₁

Molecular Weight: 566.644

Accurate Mass: 566.272715

Percentage Composition: C 61.47%; H 7.47%; O 31.06%

Biological Source: Constit. of *Antiaris toxicaria*. Also from *Antiaris africana* and *Antiaris welwitschii*

Use/Importance: Arrow poison

Physical Description: Cryst. (H₂O)

Melting Point: Mp 238-240°

Optical Rotation: [α]_D -4 (MeOH)

Hazard & Toxicity: Extremely toxic, LD₅₀ 0.094 mg/kg (cat)

>>Derivative: 3-O-Rhamnoside

Synonym(s): β -Antiarin

CAS Registry Number: 639-13-4

Molecular Formula: C₂₉H₄₂O₁₁

Molecular Weight: 566.644

Accurate Mass: 566.272715

Percentage Composition: C 61.47%; H 7.47%; O 31.06%

Biological Source: Constit. of *Antiaris toxicaria*. Also from *Antiaris africana* and *Antiaris welwitschii*

Physical Description: Cryst. (H₂O)

Melting Point: Mp 240-245°

Optical Rotation: [α]_D +2.2 (MeOH/H₂O 1:1)