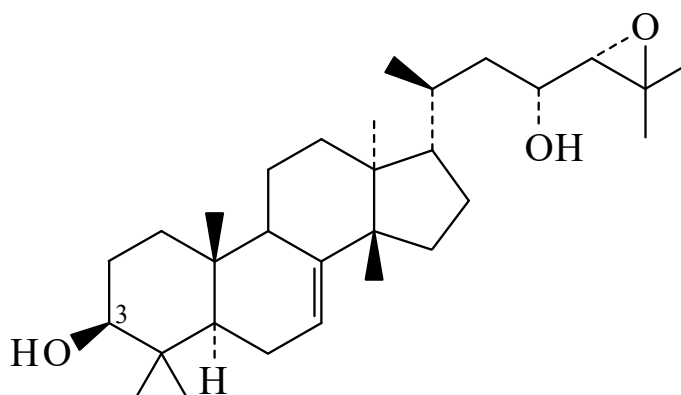




>>Entry Name: 24,25-Epoxytirucall-7-ene-3,23-diol



Molecular Formula: C₃₀H₅₀O₃

Molecular Weight: 458.723

Accurate Mass: 458.375995

Percentage Composition: C 78.55%; H 10.99%; O 10.46%

>>Variant: (3 β ,23*R*,24*S*)-form

Synonym(s): Dihydroniloticin

CAS Registry Number: 115334-05-9

Molecular Formula: C₃₀H₅₀O₃

Molecular Weight: 458.723

Accurate Mass: 458.375995

Percentage Composition: C 78.55%; H 10.99%; O 10.46%

Biological Source: Constit. of *Phellodendron chinense*, *Turraea nilotica* and *Eurycoma longifolia*

Physical Description: Needles (MeOH)

Melting Point: Mp 174°

Optical Rotation: [α]_D -47 (c, 0.075 in CHCl₃)

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

>>Derivative: 3-Ketone

Synonym(s): Niloticin. 24*S*,25-Epoxy-23*R*-hydroxytirucall-7-en-3-one

CAS Registry Number: 115404-57-4

Molecular Formula: C₃₀H₄₈O₃

Molecular Weight: 456.707

Accurate Mass: 456.360345

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Biological Source: Constit. of *Phellodendron chinense*, *Turraea nilotica* and *Eurycoma longifolia*

Physical Description: Needles

Melting Point: Mp 147°

Optical Rotation: [α]_D -62 (c, 0.08 in CHCl₃)

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

>>Derivative: 3-Ketone, 23-Ac

Synonym(s): Niloticin acetate

CAS Registry Number: 116425-97-9

Molecular Formula: C₃₂H₅₀O₄

Molecular Weight: 498.745

Accurate Mass: 498.37091

Percentage Composition: C 77.06%; H 10.10%; O 12.83%

Biological Source: Constit. of *Phellodendron chinense* and *Eurycoma longifolia*

Physical Description: Needles

Melting Point: Mp 157°

Optical Rotation: [α]_D -75 (c, 0.035 in CHCl₃)

References: