



Accurate Mass: 456.39673
Percentage Composition: C 81.52%; H 11.47%; O 7.01%
Biological Source: Isol. from *Tillandsia usneoides*
Physical Description: Needles (MeOH/Et₂O) (as acetate)
Melting Point: Mp 152-154° (acetate)
Optical Rotation: $[\alpha]_{\text{D}}^{28} +48$ (c, 0.75 in CHCl₃) (acetate)

>>Derivative: 3-Ketone

Synonym(s): 25-Hydroxycycloart-23-en-3-one

CAS Registry Number: 148044-47-7

Molecular Formula: C₃₀H₄₈O₂
Molecular Weight: 440.708
Accurate Mass: 440.36543
Percentage Composition: C 81.76%; H 10.98%; O 7.26%
Biological Source: Constit. of *Guarea trichiloides*
Physical Description: Cryst.
Melting Point: Mp 116-118°
Optical Rotation: $[\alpha]_{\text{D}}^{25} +15.3$ (c, 1.9 in CHCl₃)

>>Derivative: 3-Ketone, 25-Me ether

Synonym(s): 25-Methoxycycloart-23-en-3-one

CAS Registry Number: 173866-02-9

Molecular Formula: C₃₁H₅₀O₂
Molecular Weight: 454.735
Accurate Mass: 454.38108
Percentage Composition: C 81.88%; H 11.08%; O 7.04%
Biological Source: Constit. of *Tillandsia usneoides*
Physical Description: Amorph. solid
Optical Rotation: $[\alpha]_{\text{D}}^{25} +14$ (c, 0.07 in CHCl₃)
UV: [neutral] λ_{max} 220 (log ϵ 3.1) (MeCN)

>>Derivative: 25-Hydroperoxide

Synonym(s): 25-Hydroperoxycycloart-23-en-3-ol

CAS Registry Number: 173740-54-0

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 *Tillandsia recurvata* and *Xanthosoma robustum* (Araceae)
Physical Description: Needles (Et₂O/hexane)
Melting Point: Mp 138-139° (127-128°)
Optical Rotation: $[\alpha]_{\text{D}}^{25} +32$ (c, 0.43 in CHCl₃)

>>Derivative: 25-Hydroperoxide, 3-ketone

Synonym(s): 25-Hydroperoxycycloart-23-en-3-one

CAS Registry Number: 173866-03-0

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 *Tillandsia usneoides*
Physical Description: Amorph. solid
Melting Point: Mp 25°
Optical Rotation: $[\alpha]_{\text{D}}^{25} +19$ (c, 0.13 in CHCl₃)
UV: [neutral] λ_{max} 222 (log ϵ 2.6) (MeCN)