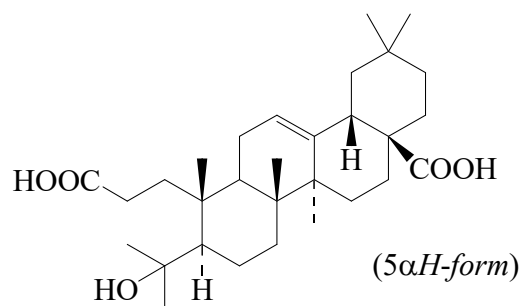




>>Entry Name: 4-Hydroxy-3,4-seco-12-oleanene-3,28-dioic acid



>>Variant: 5 α H-form

CAS Registry Number: 182249-69-0

Molecular Formula: C₃₀H₄₈O₅

Molecular Weight: 488.706

Accurate Mass: 488.350175

Percentage Composition: C 73.73%; H 9.90%; O 16.37%

Biological Source: Constit. of *Ligularia intermedia*

Optical Rotation: $[\alpha]_D^{26} +41.9$ (c, 0.22 in CHCl₃) (as di-Me ester)

>>Derivative: 3→4 Lactone

Synonym(s): 3,4-Seco-12-oleanen-3,4-olid-28-oic acid

CAS Registry Number: 182249-79-2

Molecular Formula: C₃₀H₄₆O₄

Molecular Weight: 470.691

Accurate Mass: 470.33961

Percentage Composition: C 76.55%; H 9.85%; O 13.60%

Biological Source: Constit. of *Ligularia intermedia*

Optical Rotation: $[\alpha]_D^{26} +73.3$ (c, 0.08 in CHCl₃) (as Me ester)

>>Variant: 5 β H-form

>>Derivative: 3→4-Lactone

CAS Registry Number: 281654-65-7

Molecular Formula: C₃₀H₄₆O₄

Molecular Weight: 470.691

Accurate Mass: 470.33961

Percentage Composition: C 76.55%; H 9.85%; O 13.60%

Biological Source: Constit. of *Albizia gummifera*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 185-187°

Optical Rotation: $[\alpha]_D^{20} +25.8$ (c, 0.12 in MeOH)

UV: [neutral] $\lambda_{\max}$ 214 (log ϵ 1.499) (MeOH)

References:

Ma, B. *et al.*, *Planta Med.*, 1997, **63**, 573-574, (5 α H-lactone)

Debella, A. *et al.*, *Phytochemistry*, 2000, **53**, 885-892, (5 β H-lactone)