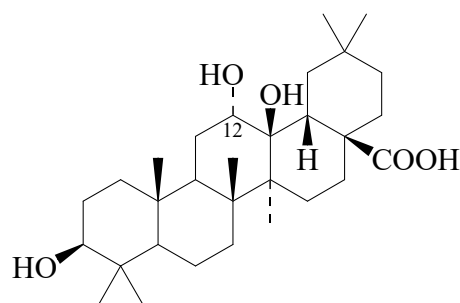




>>Entry Name: 3,12,13-Trihydroxy-28-oleananoic acid



(3 β ,12 α ,13 β)-form

Related CAS Registry Number(s): 74048-38-7

Molecular Formula: C₃₀H₅₀O₅

Molecular Weight: 490.722

Accurate Mass: 490.365825

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

>>Variant: (3 β ,12 α ,13 β)-form

Molecular Formula: C₃₀H₅₀O₅

Molecular Weight: 490.722

Accurate Mass: 490.365825

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

>>Derivative: 28 $\rightarrow$ 13 Lactone

Synonym(s): 3,12-Dihydroxy-28,13-oleananolide

Molecular Formula: C₃₀H₄₈O₄

Molecular Weight: 472.707

Accurate Mass: 472.35526

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

>>Derivative: 28 $\rightarrow$ 13 Lactone, 3-Ac

CAS Registry Number: 62498-83-3

Molecular Formula: C₃₂H₅₀O₅

Molecular Weight: 514.744

Accurate Mass: 514.365825

Percentage Composition: C 74.67%; H 9.79%; O 15.54%

Biological Source: Constit. of *Rhodomyrtus tomentosa* and *Pieris japonica*

Physical Description: Cryst.

Melting Point: Mp 301-303° (284-286°)

Optical Rotation: $[\alpha]_D +39.7$ (CHCl₃)

Other Data: Initially descr. in CA as an ursane

>>Derivative: 28 $\rightarrow$ 13 Lactone, 3-O-[β -D-xylopyranosyl-(1 $\rightarrow$ 3)- β -D-glucuronopyranoside]

Synonym(s): Kochianoside III

Molecular Formula: C₄₁H₆₄O₁₄

Molecular Weight: 780.948

Accurate Mass: 780.42961

Percentage Composition: C 63.06%; H 8.26%; O 28.68%

Biological Source: Constit. of *Kochia scoparia*

Physical Description: Cryst. (CHCl₃/MeOH)

Melting Point: Mp 224-225°

Optical Rotation: $[\alpha]_D^{26} +47.9$ (c, 0.6 in MeOH)