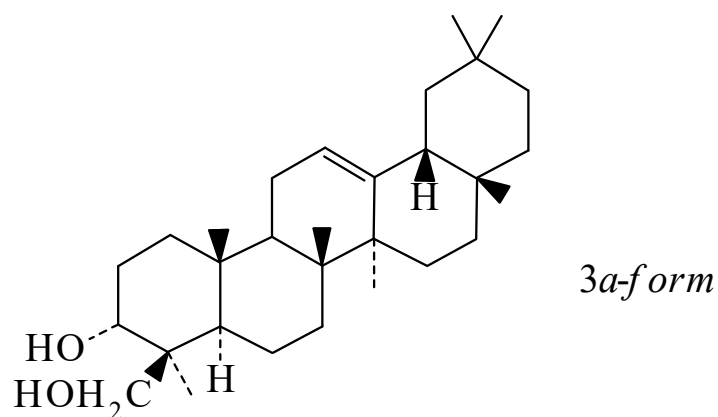




>>Entry Name: 12-Oleanene-3,24-diol



Molecular Formula: C₃₀H₅₀O₂

Molecular Weight: 442.724

Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

>>Variant: 3α-form

Molecular Formula: C₃₀H₅₀O₂

Molecular Weight: 442.724

Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

>>Derivative: 24-Carboxylic acid

Synonym(s): 3α-Hydroxy-12-oleanen-24-oic acid. α-Boswellic acid

CAS Registry Number: 471-66-9

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 frankincense (*Boswellia carteri* and *Boswellia frereana*) and olibanum oil

Physical Description: Cryst. (MeOH)

Melting Point: Mp 289°

Optical Rotation: [α]_D²⁰+114.5 (CHCl₃)

>>Derivative: 24-Carboxylic acid, Me ester

Physical Description: Cryst. (MeOH/Et₂O)

Melting Point: Mp 214-215°

Optical Rotation: [α]_D¹⁹+115.4 (CHCl₃)

>>Derivative: 24-Carboxylic acid, Ac

CAS Registry Number: 89913-60-0

Molecular Formula: C₃₂H₅₀O₄

Molecular Weight: 498.745

Accurate Mass: 498.37091

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

Biological Source: From *Boswellia carteri*

>>Derivative: 3-Ketone

Synonym(s): 24-Hydroxy-12-oleanen-3-one

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 *Symplocos racemosa*

Physical Description: Cryst. (EtOAc/MeOH)

Melting Point: Mp 278-280°

Optical Rotation: [α]_D³⁵+86 (c, 0.25 in CHCl₃)