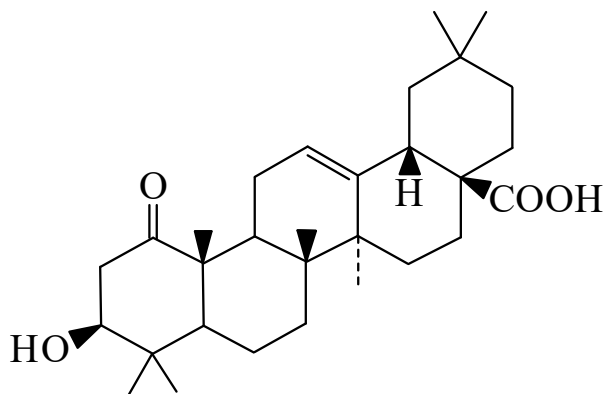




>>Entry Name: 3-Hydroxy-1-oxo-12-oleanen-28-oic acid



Molecular Formula: C₃₀H₄₆O₄

Molecular Weight: 470.691

Accurate Mass: 470.33961

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

>>Variant: 3β-form

Synonym(s): Virgatic acid. Momordic acid. Vergatic acid

CAS Registry Number: 14356-51-5

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 *Salvia virgata*, other *Salvia* spp.

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 226-228°

>>Derivative: 3-Ketone, 1β-alcohol

Synonym(s): 1β-Hydroxy-3-oxo-12-oleanen-28-oic acid

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 *Limnophila rugosa*

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 135-136°

>>Derivative: 28-Alcohol

Synonym(s): 3,28-Dihydroxy-12-oleanen-1-one. 1-Oxoerythrodiol

CAS Registry Number: 207970-57-8

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 *Viburnum awabuki*

Physical Description: Cryst.

Melting Point: Mp 218-221°

Optical Rotation: [α]_D²⁴+84.3 (c, 1.55 in CHCl₃)

References:

Ulubelen, A. *et al.*, *Phytochemistry*, 1976, **15**, 309, (*Virgatic acid*)

Mukherjee, K.S. *et al.*, *J. Indian Chem. Soc.*, 1995, **72**, 741, (*1-Hydroxy-3-oxo-12-oleanen-28-oic acid*)

Kagawa, M. *et al.*, *Phytochemistry*, 1998, **47**, 1337-1341, (*1-Oxoerythrodiol*)