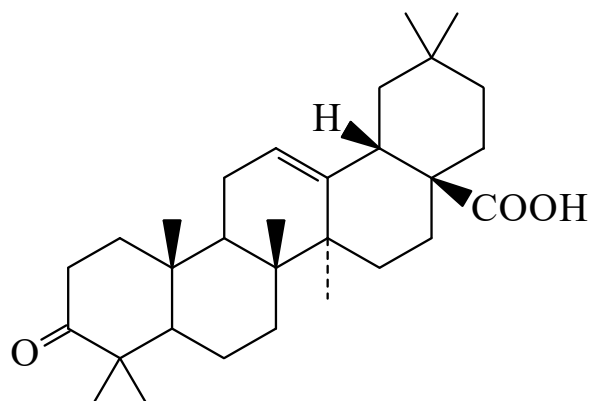




>>Entry Name: 3-Oxo-12-oleanen-28-oic acid

Synonym(s): Oleanonic acid



CAS Registry Number: 17990-42-0

Related CAS Registry Numbers(s): 6785-78-0

Molecular Formula: C<sub>30</sub>H<sub>46</sub>O<sub>3</sub>

Molecular Weight: 454.692

Accurate Mass: 454.344695

Percentage Composition: C 79.25%; H 10.20%; O 10.56%

Biological Source: Isol. from *Hedyotis lawsonii* and various other plants

Physical Description: Cryst. (MeOH)

Melting Point: Mp 226-229°

Optical Rotation: [α]<sub>D</sub> +101 (c, 1.63 in CHCl<sub>3</sub>)

>>Derivative: Me ester

CAS Registry Number: 1721-58-0

Molecular Formula: C<sub>31</sub>H<sub>48</sub>O<sub>3</sub>

Molecular Weight: 468.718

Accurate Mass: 468.360345

Percentage Composition: C 79.44%; H 10.32%; O 10.24%

Biological Source: Isol. from *Pistacia vera* and *Zizyphus jujuba*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 184-185°

Optical Rotation: [α]<sub>D</sub> +94 (c, 1.26 in CHCl<sub>3</sub>)

>>Derivative: Oxime

Physical Description: Cryst. (EtOH)

Melting Point: Mp 294 dec.°

>>Derivative: Me ester, oxime

Physical Description: Cryst. (EtOH/C<sub>6</sub>H<sub>6</sub>)

Melting Point: Mp 245-248°

>>Variant: 18α-form

CAS Registry Number: 73522-35-7

Molecular Formula: C<sub>30</sub>H<sub>46</sub>O<sub>3</sub>

Molecular Weight: 454.692

Accurate Mass: 454.344695

Percentage Composition: C 79.25%; H 10.20%; O 10.56%

Biological Source: Isol. from *Senecio cylindricus*

Physical Description: No phys. props. reported

#### References:

Drefahl, G. *et al.*, *Chem. Ber.*, 1960, **93**, 1967, (*synth*)

Savoir, R. *et al.*, *Bull. Soc. Chim. Belg.*, 1967, **76**, 335, (*synth, pmr*)

Renwick, J.D. *et al.*, *J.C.S.(C)*, 1969, 2544, (*cd, ord*)

Seo, S. *et al.*, *Tet. Lett.*, 1975, 7, (*cmr*)

Bohlmann, F. *et al.*, *Phytochemistry*, 1979, **18**, 1489, (*18α-form*)

Gzella, A., *Acta Cryst. C*, 1999, **55**, 2153-2156, (*cryst struct*)