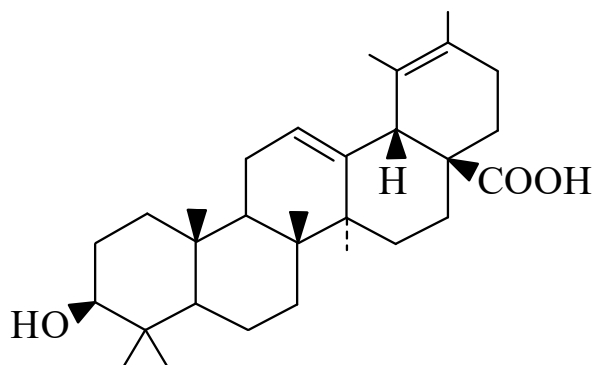




>>Entry Name: 3-Hydroxy-12,19-ursadien-28-oic acid



Related CAS Registry Numbers(s): 6805-65-8

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%

>>Variant: 3β-form

Synonym(s): Tomentosolic acid. 19-Dehydroursolic acid. Sanguisorbigenin

CAS Registry Number: 6812-98-2

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: Constit. of *Vangueria tomentosa* and *Sanguisorba officinalis*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 284.5-286° (*in vacuo*)

Optical Rotation: [α]<sub>D</sub> +18 (c, 1 in CHCl<sub>3</sub>)

Other Data: Prob. artifact

>>Derivative: Me ester

CAS Registry Number: 23660-55-1

Physical Description: Cryst. (MeOH)

Melting Point: Mp 205-207°

Optical Rotation: [α]<sub>D</sub> +15 (c, 0.2 in CHCl<sub>3</sub>)

>>Derivative: Ac

Physical Description: Cryst. (CHCl<sub>3</sub>/MeOH)

Melting Point: Mp 318-323°

Optical Rotation: [α]<sub>D</sub> +6 (c, 0.54 in CHCl<sub>3</sub>)

>>Derivative: 3-Ketone

Synonym(s): 3-Oxo-12,19-ursadien-28-oic acid. Tomentosonic acid

Molecular Formula: C<sub>30</sub>H<sub>44</sub>O<sub>3</sub>

Molecular Weight: 452.676

Accurate Mass: 452.329045

Percentage Composition: C 79.60%; H 9.80%; O 10.60%

Biological Source: Minor constit. of roots of *Vangueria tomentosa*

>>Derivative: 3-Ketone, Me ester

Physical Description: Platelets (CHCl<sub>3</sub>/MeOH)

Melting Point: Mp 208-212 dec.°

Optical Rotation: [α]<sub>D</sub> +45 (c, 0.5 in CHCl<sub>3</sub>)

#### References:

Barton, D.H.R. *et al.*, *J.C.S.*, 1962, 5163

Brieskorn, C.H. *et al.*, *Chem. Ber.*, 1967, **100**, 1252