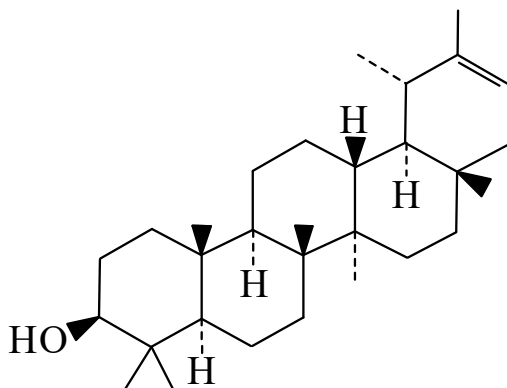




>>Entry Name: 20-Taraxasten-3-ol
ENTRY UNDER REVIEW



Molecular Formula: C₃₀H₅₀O
Molecular Weight: 426.724
Accurate Mass: 426.386165
Percentage Composition: C 84.44%; H 11.81%; O 3.75%

>>Variant: 3β-form
Synonym(s): ψ-Taraxasterol. Heterolupeol. Calendol. Pseudotaraxasterol

CAS Registry Number: 464-98-2

Molecular Formula: C₃₀H₅₀O
Molecular Weight: 426.724
Accurate Mass: 426.386165
Percentage Composition: C 84.44%; H 11.81%; O 3.75%

Sonchus spp. and others

Physical Description: Cryst. (EtOH)

Melting Point: Mp 217-219°

Optical Rotation: [α]_D +50 (CHCl₃)

>>Derivative: Ac

CAS Registry Number: 4586-65-6

Molecular Formula: C₃₂H₅₂O₂
Molecular Weight: 468.762
Accurate Mass: 468.39673
Percentage Composition: C 81.99%; H 11.18%; O 6.83%
Biological Source: Constit. of *Calendula officinalis*, *Cirsium*, *Elateriospermum* and others
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 240-241°
Optical Rotation: [α]_D +53 (CHCl₃)

>>Derivative: Benzoyl

CAS Registry Number: 20300-46-3

Molecular Formula: C₃₇H₅₄O₂
Molecular Weight: 530.832
Accurate Mass: 530.41238
Percentage Composition: C 83.72%; H 10.25%; O 6.03%
Biological Source: Isol. from *Cirsium officinalis* and *Calotropis gigantea*
Melting Point: Mp 282-283°
Optical Rotation: [α]_D +72.8

>>Derivative: Tigloyl

CAS Registry Number: 6564-58-5

Molecular Formula: C₃₅H₅₆O₂
Molecular Weight: 508.826
Accurate Mass: 508.42803
Percentage Composition: C 82.62%; H 11.09%; O 6.29%
Biological Source: Isol. from *Ficus bengalensis*
Melting Point: Mp 236-238°
Optical Rotation: [α]