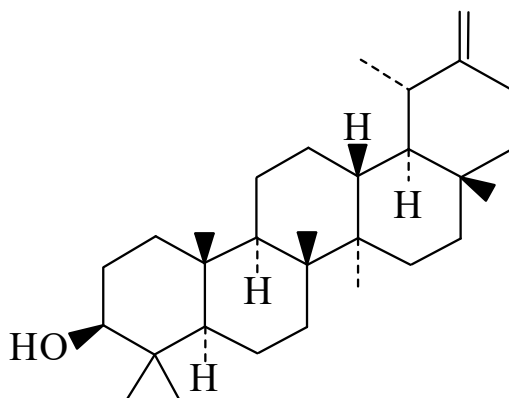




>>Entry Name: 20(30)-Taraxasten-3-ol
ENTRY UNDER REVIEW



CAS Registry Number: 1059-14-9

Molecular Formula: $C_{30}H_{50}O$
Molecular Weight: 426.724
Accurate Mass: 426.386165
Percentage Composition: C 84.44%; H 11.81%; O 3.75%

>>Variant: (3 β ,18 α ,19 α)-form

Synonym(s): Taraxasterol. α -Lactuceryl. α -Anthesterin. Taraxasterin. Inusterol A. Pyrethrol. Saussurol

Molecular Formula: $C_{30}H_{50}O$
Molecular Weight: 426.724
Accurate Mass: 426.386165
Percentage Composition: C 84.44%; H 11.81%; O 3.75%
Biological Source: Constit. of dandelion roots (*Taraxacum officinale*) and chamomile flowers (*Anthemis nobilis*). In many other plants
Physical Description: Cryst. (EtOH)
Melting Point: Mp 225.5-226°
Optical Rotation: $[\alpha]_D^{17} +95.9$ (CHCl₃)

>>Derivative: Ac

Synonym(s): Taraxasterol acetate. Lactucone. Lactucerin

CAS Registry Number: 6426-43-3

Molecular Formula: $C_{32}H_{52}O_2$
Molecular Weight: 468.762
Accurate Mass: 468.39673
Percentage Composition: C 81.99%; H 11.18%; O 6.83%
Biological Source: Constit. of *Calotropis gigantea* and *Lactuca virosa* and other plants, esp. in the Compositae
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 256-257°
Optical Rotation: $[\alpha]_D^{18} +100.5$ (CHCl₃)

>>Derivative: Hexadecanoyl

Synonym(s): Taraxasteryl palmitate

CAS Registry Number: 29803-90-5

Molecular Formula: $C_{46}H_{80}O_2$
Molecular Weight: 665.137
Accurate Mass: 664.61583
Percentage Composition: C 83.07%; H 12.12%; O 4.81%
Biological Source: Isol. from *Eupatorium* spp., *Centipeda minima*, *Osteospermum*, *Inula* and others

>>Derivative: Tigloyl

CAS Registry Number: 74133-34-9

Molecular Formula: $C_{35}H_{56}O_2$
Molecular Weight: 508.826
Accurate Mass: 508.42803
Percentage Composition: C 82.62%; H 11.09%; O 6.29%
Biological Source: Isol. from *Ficus glomerata* and *Ficus bengalensis*
Melting Point: Mp 236-238°
Optical Rotation: $[\alpha]$