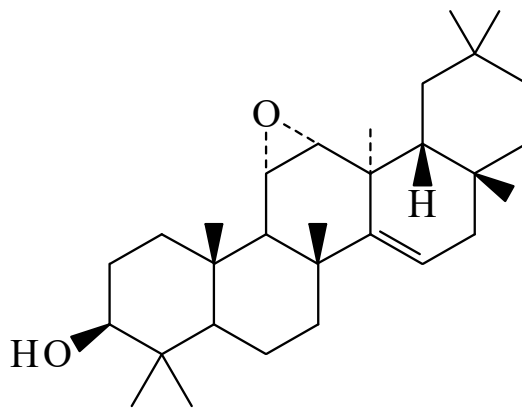




>>Entry Name: 11,12-Epoxy-14-taraxeren-3-ol

Synonym(s): 11,12-Epoxy-D-friedoolan-14-en-3-ol, 9Cl



Molecular Formula: C₃₀H₄₈O₂

Molecular Weight: 440.708

Accurate Mass: 440.36543

Percentage Composition: C 81.76%; H 10.98%; O 7.26%

>>Variant: (3β,11α,12α)-form

Synonym(s): 11α,12α-Oxidotaraxerol

CAS Registry Number: 3866-77-1

Molecular Formula: C₃₀H₄₈O₂

Molecular Weight: 440.708

Accurate Mass: 440.36543

Percentage Composition: C 81.76%; H 10.98%; O 7.26%

Biological Source: Constit. of *Euphorbia supina*

Physical Description: Needles (MeOH/CHCl₃)

Melting Point: Mp 286-288°

Optical Rotation: [α]_D²³ -38.9 (c, 0.98 in CHCl₃)

>>Derivative: Ac

Synonym(s): Marsformoxide B

CAS Registry Number: 2111-46-8

Molecular Formula: C₃₂H₅₀O₃

Molecular Weight: 482.745

Accurate Mass: 482.375995

Percentage Composition: C 79.62%; H 10.44%; O 9.94%

Biological Source: Isol. from *Marsdenia formosana*

Melting Point: Mp 305-308°

Optical Rotation: [α]_D²⁵ -31 (c, 0.5 in CHCl₃)

>>Derivative: 3-Ketone

Synonym(s): 11,12-Epoxy-14-taraxeren-3-one. 11α,12α-Oxidotaraxerone

Molecular Formula: C₃₀H₄₆O₂

Molecular Weight: 438.692

Accurate Mass: 438.34978

Percentage Composition: C 82.14%; H 10.57%; O 7.29%

Biological Source: Constit. of *Saussurea japonica*

Physical Description: Cryst.

Melting Point: Mp 204-206°

Optical Rotation: [α]_D +12.5 (c, 0.6 in CHCl₃)

References:

Ito, K. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 1908, (*Marsformoxide B*)

Tanaka, R. *et al.*, *Phytochemistry*, 1988, **27**, 3579

Kuo, Y.-H. *et al.*, *J. Nat. Prod.*, 1996, **59**, 622, (*3-ketone*)

Zhang, Q. *et al.*, *J. Chin. Pharm. Sci.*, 1999, **8**, 237-240, (*cmr*)