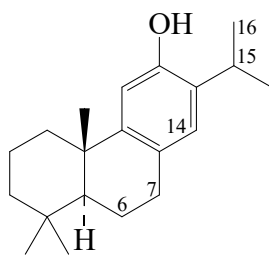




>>Entry Name: 8,11,13-Abietatrien-12-ol



5 α -form

Molecular Formula: C₂₀H₃₀O

Molecular Weight: 286.456

Accurate Mass: 286.229665

Percentage Composition: C 83.86%; H 10.56%; O 5.59%

>>Variant: 5 α -form

Synonym(s): Ferruginol‡

CAS Registry Number: 514-62-5

Molecular Formula: C₂₀H₃₀O

Molecular Weight: 286.456

Accurate Mass: 286.229665

Percentage Composition: C 83.86%; H 10.56%; O 5.59%

Biological Source: Constit. of resin of the Miro tree, *Podocarpus ferrugineus*. Also from *Podocarpus totara*, *Dacrydium* spp., *Cupressus* spp., *Cryptomeria japonica* and roots of *Inula royleana*

Physical Description: Oil

Boiling Point: Bp_{0.3} 175°

Optical Rotation: [α]_D¹⁶+40.6 (EtOH)

>>Derivative: Ac

Molecular Formula: C₂₂H₃₂O₂

Molecular Weight: 328.494

Accurate Mass: 328.24023

Percentage Composition: C 80.44%; H 9.82%; O 9.74%

Physical Description: Cryst. (petrol)

Melting Point: Mp 81-82°

Optical Rotation: [α]_D¹⁶+60.3 (EtOH)

>>Derivative: Me ether

Synonym(s): 12-Methoxy-8,11,13-abietatriene

CAS Registry Number: 10064-26-3

Molecular Formula: C₂₁H₃₂O

Molecular Weight: 300.483

Accurate Mass: 300.245315

Percentage Composition: C 83.94%; H 10.73%; O 5.32%

Physical Description: Oil

Optical Rotation: [α]_D²⁵+45 (c, 0.07 in CH₂Cl₂) (>95%ee)

>>Derivative: 6,7-Didehydro

Synonym(s): 6,8,11,13-Abietatetraen-12-ol. Δ^6 -Dehydroferruginol. 6,7-Didehydroferruginol

Molecular Formula: C₂₀H₂₈O

Molecular Weight: 284.441

Accurate Mass: 284.214015

Percentage Composition: C 84.45%; H 9.92%; O 5.62%

Biological Source: Isol. from woods of *Juniperus communis*, *Podocarpus dacrydioides* and *Salvia apiana*

Physical Description: Light yellow solid

Optical Rotation: [α]_D²⁰-60 (EtOH)