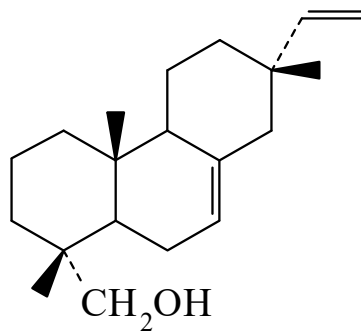




>>Entry Name: 7,15-Isopimaradien-18-ol



CAS Registry Number: 1686-64-2

Molecular Formula: C₂₀H₃₂O

Molecular Weight: 288.472

Accurate Mass: 288.245315

Percentage Composition: C 83.27%; H 11.18%; O 5.55%

Biological Source: Constit. of the resin of *Dacrydium bidwillii*

Physical Description: Cryst. (MeOH aq. or by subl.)

Melting Point: Mp 85-86°

Optical Rotation: $[\alpha]_D -24.6$ (c, 1 in CHCl₃)

>>Derivative: 18-Aldehyde

Synonym(s): 7,15-Isopimaradien-18-al

CAS Registry Number: 1686-63-1

Molecular Formula: C₂₀H₃₀O

Molecular Weight: 286.456

Accurate Mass: 286.229665

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

Biological Source: Isol. from *Dacrydium bidwilli* and *Pinus* spp.

Physical Description: Cryst.

Melting Point: Mp 35-37°

Optical Rotation: $[\alpha]_D^{22} -15$

>>Derivative: 18-Carboxylic acid

Synonym(s): 7,15-Isopimaradien-18-oic acid. **Isopimaric acid.** Isodextropimaric acid. Micropinic acid

CAS Registry Number: 5835-26-7

Molecular Formula: C₂₀H₃₀O₂

Molecular Weight: 302.456

Accurate Mass: 302.22458

Percentage Composition: C 79.42%; H 10.00%; O 10.58%

Biological Source: Isol. from *Pinus palustris*, other *Pinus* spp., *Podocarpus* and *Dacrydium* spp.

Physical Description: Cryst.(EtOH)

Melting Point: Mp 162-164°

Optical Rotation: $[\alpha]_D^{24} 0$

References:

- Antkowiak, W. *et al.*, *Can. J. Chem.*, 1965, **43**, 1257, (*struct*)
Wenkert, E. *et al.*, *J.O.C.*, 1965, **30**, 713, (*pmr*)
Grant, P.K. *et al.*, *Aust. J. Chem.*, 1967, **20**, 969, (*isol, struct*)
Wenkert, E. *et al.*, *J.A.C.S.*, 1972, **94**, 4367, (*cmr*)
Bohlmann, F. *et al.*, *Chem. Ber.*, 1976, **109**, 1446, (*Isopimaric acid*)