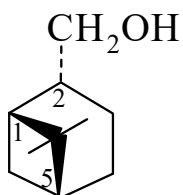




>>Entry Name: 10-Pinanol

Synonym(s): 6,6-Dimethylbicyclo[3.1.1]heptane-2-methanol. **Myrtanol**. 10-Hydroxypinane. Dihydromyrtanol



(1*R* ,2*R* ,5*R*)-*form*

CAS Registry Number: 514-99-8

Molecular Formula: C₁₀H₁₈O

Molecular Weight: 154.252

Accurate Mass: 154.135765

Percentage Composition: C 77.87%; H 11.76%; O 10.37%

Other Data: Rare natural occurrence

>>Variant: (1*R*,2*R*,5*R*)-form

Synonym(s): (–)-*trans*-form

CAS Registry Number: 53369-17-8

Molecular Formula: C₁₀H₁₈O

Molecular Weight: 154.252

Accurate Mass: 154.135765

Percentage Composition: C 77.87%; H 11.76%; O 10.37%

Physical Description: Oil

Boiling Point: Bp₁₄ 113-114°

Optical Rotation: [α]_D²² –27.1

Aldrich: 27417-8

Fluka: 70155

>>Variant: (1*R*,2*S*,5*R*)-form

Synonym(s): Benihiol

CAS Registry Number: 473-01-8

Molecular Formula: C₁₀H₁₈O

Molecular Weight: 154.252

Accurate Mass: 154.135765

Percentage Composition: C 77.87%; H 11.76%; O 10.37%

Biological Source: Isol. from *Chamaecyparis formosensis*

Physical Description: Oil

Boiling Point: Bp₃ 77-79°

Optical Rotation: [α]_D²⁰ +39.6

>>Derivative: Carboxylic acid

Synonym(s): 6,6-Dimethylbicyclo[3.3.1]heptane-2-carboxylic acid. 10-Pinanoic acid. Dihydromyrtenic acid

Molecular Formula: C₁₀H₁₆O₂

Molecular Weight: 168.235

Accurate Mass: 168.11503

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

Biological Source: Isol. from oils of *Chamaecyparis formosensis* and *Chamaecyparis obtusa*

Boiling Point: Bp₈ 142-144°

Other Data: Stereochem. not detd.

>>Variant: (1*S*,2*R*,5*S*)-form

Synonym(s): (–)-*cis*-form

CAS Registry Number: 51152-12-6

Molecular Formula: C₁₀H₁₈O

Molecular Weight: 154.252

Accurate Mass: 154.135765

Percentage Composition: C 77.87%; H 11.76%; O 10.37%

Physical Description: Oil

Boiling Point: Bp_{0,2} 65-67°

Optical Rotation: [α]_D²⁵ –20.18 (c, 12 in CHCl₃)

Fluka: 70154