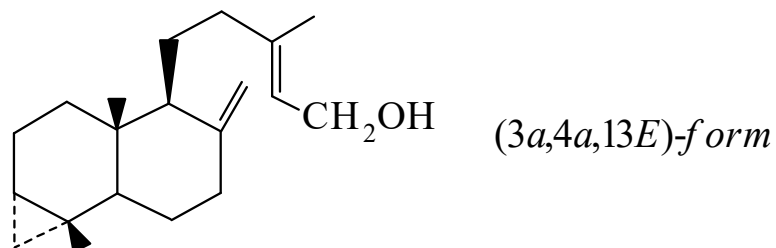




>>Entry Name: 8(17),13-Gnaphaladien-15-ol  
Synonym(s): 3,18-Cyclo-8(17),13-labdadien-15-ol



Molecular Formula: C<sub>20</sub>H<sub>32</sub>O  
Molecular Weight: 288.472  
Accurate Mass: 288.245315  
Percentage Composition: C 83.27%; H 11.18%; O 5.55%

>>Variant: (3 $\alpha$ ,4 $\alpha$ ,13*E*)-form

Molecular Formula: C<sub>20</sub>H<sub>32</sub>O  
Molecular Weight: 288.472  
Accurate Mass: 288.245315  
Percentage Composition: C 83.27%; H 11.18%; O 5.55%

>>Derivative: Carboxylic acid  
Synonym(s): 8(17),13-Gnaphaladien-15-oic acid. **Cycloanticopalic acid**. Metasequoic acid B

CAS Registry Number: 109291-60-3

Molecular Formula: C<sub>20</sub>H<sub>30</sub>O<sub>2</sub>  
Molecular Weight: 302.456  
Accurate Mass: 302.22458  
Percentage Composition: C 79.42%; H 10.00%; O 10.58%  
Biological Source: Constit. of *Pinus strobus* and *Metasequoia glyptostroboides*  
Physical Description: Cryst.  
Melting Point: Mp 124-125°  
Optical Rotation: [ $\alpha$ ]<sub>D</sub> +94  
Solubility: BERDY SOL: Sol. MeOH, hexane, CHCl<sub>3</sub>; poorly sol. H<sub>2</sub>O

>>Derivative: Carboxylic acid, Me ester

CAS Registry Number: 109291-62-5  
Optical Rotation: [ $\alpha$ ]<sub>D</sub><sup>20</sup> +87.5 (c, 1.4 in CHCl<sub>3</sub>)

>>Variant: (3 $\beta$ ,4 $\beta$ ,13*E*)-form

Molecular Formula: C<sub>20</sub>H<sub>32</sub>O  
Molecular Weight: 288.472  
Accurate Mass: 288.245315  
Percentage Composition: C 83.27%; H 11.18%; O 5.55%

>>Derivative: Carboxylic acid  
Synonym(s): **Metasequoic acid A**

CAS Registry Number: 113626-22-5

Molecular Formula: C<sub>20</sub>H<sub>30</sub>O<sub>2</sub>  
Molecular Weight: 302.456  
Accurate Mass: 302.22458  
Percentage Composition: C 79.42%; H 10.00%; O 10.58%  
Biological Source: Constit. of *Metasequoia glyptostroboides*  
Physical Description: Cryst.  
Melting Point: Mp 112-113°  
Optical Rotation: [ $\alpha$ ]<sub>D</sub> +36.3  
Solubility: BERDY SOL: Sol. MeOH, CHCl<sub>3</sub>, hexane; poorly sol. H<sub>2</sub>O