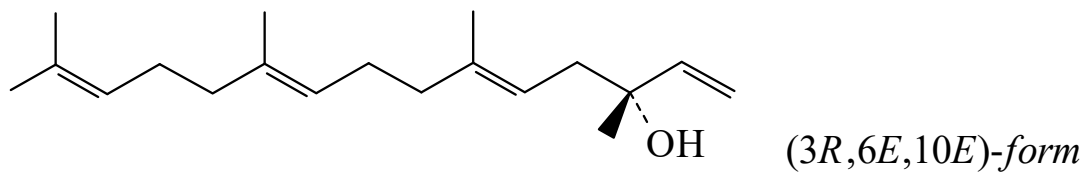




>>Entry Name: 1,6,10,14-Phytatetraen-3-ol

Synonym(s): 3,7,11,15-Tetramethyl-1,6,10,14-hexadecatetraen-3-ol



CAS Registry Number: 1113-21-9

Related CAS Registry Numbers(s): 2211-30-5

Molecular Formula: C<sub>20</sub>H<sub>34</sub>O

Molecular Weight: 290.488

Accurate Mass: 290.260965

Percentage Composition: C 82.70%; H 11.80%; O 5.51%

Fluka: 48809

>>Variant: (3R,6E,10E)-form

Synonym(s): Geranyllinalool

Molecular Formula: C<sub>20</sub>H<sub>34</sub>O

Molecular Weight: 290.488

Accurate Mass: 290.260965

Percentage Composition: C 82.70%; H 11.80%; O 5.51%

Biological Source: Constit. of *Picea abies* and *Picea obovata*

Physical Description: Oil

Boiling Point: Bp<sub>0.005</sub> 115°

Optical Rotation: [α]<sub>D</sub> -14.1 (c, 0.34 in CHCl<sub>3</sub>) (-10.1)

Refractive Index: n<sub>D</sub><sup>24</sup> 1.4878

>>Variant: (3S,6E,10E)-form

Molecular Formula: C<sub>20</sub>H<sub>34</sub>O

Molecular Weight: 290.488

Accurate Mass: 290.260965

Percentage Composition: C 82.70%; H 11.80%; O 5.51%

Biological Source: Constit. of Jasmin oil

Boiling Point: Bp<sub>0.005</sub> 115°

Optical Rotation: [α]<sub>D</sub> +14.5

#### References:

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Avdyukova, N.V. *et al.*, *Khim. Prir. Soedin.*, 1971, **7**, 839; *Chem. Nat. Compd. (Engl. Transl.)*, 1971, **7**, 820, (*isol*)