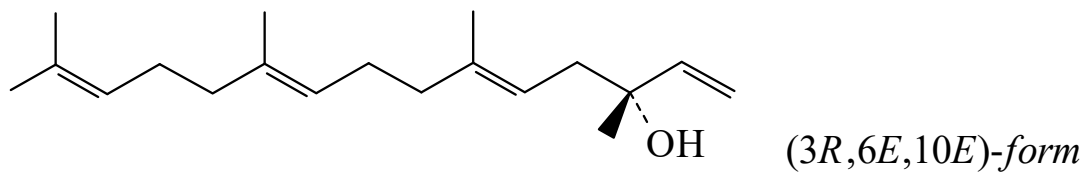




>>Entry Name: 1,6,10,14-Phytatetraen-3-ol

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: C₂₀H₃₄O

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: C₂₀H₃₄O

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_{0.005} 115°

Optical Rotation: [α]_D -14.1 (c, 0.34 in CHCl₃) (-10.1)

Refractive Index: n_D²⁴ 1.4878

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

Molecular Formula: C₂₀H₃₄O

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_{0.005} 115°

Optical Rotation: [α]_D +14.5

References:

Demole, E. *et al.*, *Bull. Soc. Chim. Fr.*, 1958, 1128, (*synth, ir*)

Kimland, B. *et al.*, *Acta Chem. Scand.*, 1967, **21**, 825, (*pmr*)

Vig, O.P. *et al.*, *Indian J. Chem.*, 1969, **7**, 574

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