

2755 (Diterpene)

Name: *trans*-Phytol

{3,7,11,15-Tetramethyl-hexadec-2-en-1-ol}

Origin: *Laurencia implicata* (Britomart Reef, The Great Barrier Reef, Queensland, Australia)⁽¹⁾;

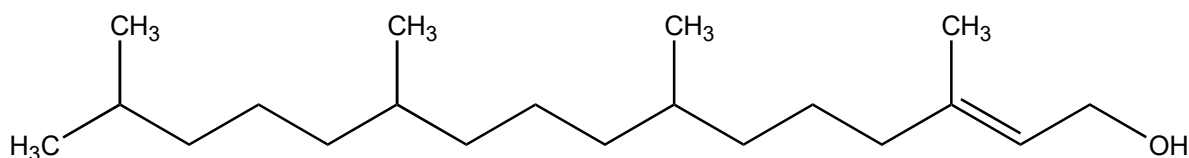
Laurencia nipponica (Atsuta, Ishikari Bay, Hokkaido, Japan)⁽²⁾;

Formula: C₂₀H₄₀O

Mol. Wt.: 296.53

Opt. Rot.: [α]²² -7.7 (CHCl₃)

Mp.: Oil



References and Notes

(1) Wright, A. D., König, G. M., and Sticher, O. 1991. J. Nat. Prod., **54**, 1025-1033. New sesquiterpenes and C₁₅ acetogenins from the marine red alga *Laurencia implicata*. (IR, ¹H-NMR, ¹³C-NMR)

(together with palisadins A, B, aplysisstatin, 5β-hydroxyaplysisstatin, palisol, brasilane sesquiterpenes, bromoallenes, *trans*-phytol)

(2) Suzuki, T., Kikuchi, H., and Kurosawa, E. 1982. Bull. Chem. Soc. Jpn., **55**, 1561-1563. Six new sesquiterpenoids from the red alga *Laurencia nipponica* Yamada. (together with six new sesquiterpenes, 2,10-dibromo-3-chloro-7,8-epoxychamigrane, 2,10-dibromo-3-chloro-α-chamigrane, *trans*-phytol, *trans*-phytol acetate)