

1116 (Sesquiterpene)

Name: Obtusenol

{6-Bromo-6-(5-bromo-2,6,6-trimethyl-tetrahydro-pyran-2-yl)-3-methyl-hex-1-en-3-ol}

Origin: *Laurencia obtusa* (Gökceada Island, Aegean Sea, Turkey)⁽¹⁾;

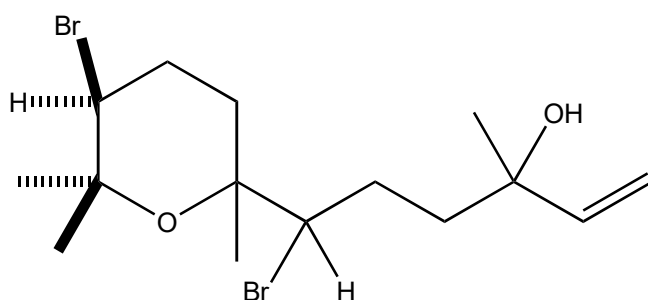
Laurencia obtusa (Bademli near Dikili, north of Izmir, Turkey)⁽²⁾;

Formula: C₁₅H₂₆Br₂O₂

Mol. Wt.: 398.17

Opt. Rot.: [α]_D^{16.4} -50.2 (CHCl₃)⁽¹⁾; [α]_D³⁰ -50 (CHCl₃)⁽²⁾

Mp.: Oil



References and Notes

(1) Imre, S., Islimyeli, S., Öztunc, A., and Thomson, R. H. 1981. *Phytochemistry*, **20**, 833-834.

Obtusenol, a sesquiterpene from *Laurencia obtusa*. (IR, ¹H-NMR, ¹³C-NMR, MS) (together with obtusenol, laurinterol, epibrasilenol, obtusenyne, *cis*-isodihydrorhodophytin)

(2) Aydogmus, Z., Imre, S., Ersoy, L., and Wray, V. 2004. *Nat. Prod. Res.*, **18**, 43-49. Halogenated secondary metabolites from *Laurencia obtusa*. (IR, ¹H-NMR, ¹³C-NMR)

(together with rogiolenyne B, obtusenol)

(3) **Synthesis**; Gonzalez, A. G., Martin, J. D., Perez, C., Ramirez, M. A., and Ravelo, F. 1981. *Tetrahedron Lett.*, **22**, 5071-5072. Total synthesis of obtusenol.