

1239 (Sesquiterpene)

Name: (*E*)-10,15-Dibromochamigra-1,3(15),7(14)-triene;

(2*R**,6*S**,9*E*)-2-Bromo-9-bromomethylidene-1,1-dimethyl-5-methylenespiro[5.5]undec-7-ene⁽¹⁾

{8-Bromo-3-bromomethylene-7,7-dimethyl-11-methylene-spiro[5.5]undec-1-ene}

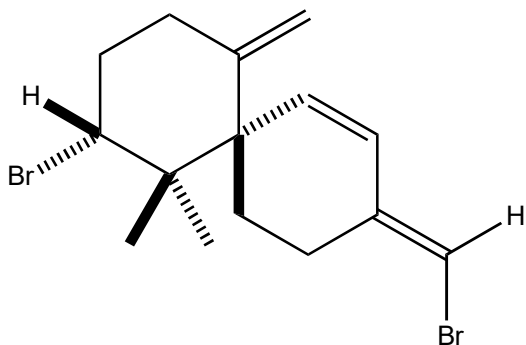
Origin: *Laurencia scoparia* (Praia Brava, coast of Ubatuba, State of Sao Paulo, Brazil)⁽¹⁾;

Formula: C₁₅H₂₀Br₂

Mol. Wt.: 360.13

Opt. Rot.: [α]_D²⁵ -17.4 (CHCl₃)

Mp.: Oil



References and Notes

(1) Davyt, D., Fernandez, R., Suescun, L., Mombru, A. W., Saldana, J., Dominguez, L., Coll, J., Fujii, M. T., and Manta, E. 2001. *J. Nat. Prod.*, **64**, 1552-1555. New sesquiterpene derivatives from the red alga *Laurencia scoparia*. Isolation, structure determination, and anthelmintic activity. (IR, ¹H-NMR, ¹³C-NMR, MS) (together with scopariol, isorigidol, (*Z*)-10,15-dibromochamigra-1,3(15),7(14)-triene, (*E*)-10,15-dibromochamigra-1,3(15),7(14)-triene, 5 known chamigranes ((*Z*)-10,15-dibromochamigra-1,3(15),7(14)-trien-9-ol, (*E*)-10,15-dibromochamigra-1,3(15),7(14)-trien-9-ol, 10-bromo-9-hydroxy-β-chamigrene, 2,10-dibromo-9-hydroxychamigra-7(14)-en-9-ol, 2,10-dibromo-3-chlorochamigra-7(14)-ene), 2 known *seco*-chamigranes (ma'ilione, majusculone), α,β-unsaturated aldehyde)