

## 1208 (Sesquiterpene)

Name: (2*R*\*,3*R*\*,6*R*\*,10*S*\*)-2,10-Dibromo-7-methyl-7(14)-en-3-ol

{2,8-Dibromo-3,7,7-trimethyl-11-methylene-spiro[5.5]undecan-3-ol}

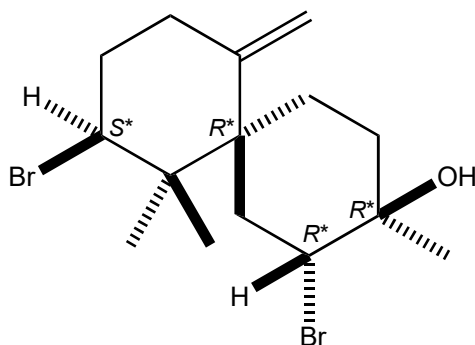
Origin: *Laurencia flexilis* (Barrio Pangil, Curimao, Ilocos Nortes, Philippines)<sup>(1)</sup>;

Formula: C<sub>15</sub>H<sub>24</sub>Br<sub>2</sub>O

Mol. Wt.: 380.16

Opt. Rot.: [α]<sub>D</sub><sup>25</sup> 0.0 (CHCl<sub>3</sub>)

Mp.: Oil



[See! 1208#]

### References and Notes

- (1) de Nys, R., König, G. M., Wright, A. D., and Sticher, O. 1993. *Phytochemistry*, **34**, 725-728. Two metabolites from the red alga *Laurencia flexilis*. (IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, MS)  
(together with new (2*Z*)-2-chloro-pentadec-2-enal, two new chamigranes, known sesquiterpenes; palisol, debromolaurinterol, pacifigorgiol, α-bromocuparene)
- (2) **Optically active metabolite**; Minamida, Y., Matsuura, H., Ishii, T., Sato, K., Kamada, T., Kato, A., Yamagishi, Y., Abe, T., Kikuchi, N., and Suzuki, M. 2021. *Biochem. Syst. Ecol.*, **96**, A104259.  
Chemical composition of *Laurencia* spp. collected from the Seto Inland Sea of Japan.  
(IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR)
- (3) **Synthesis**; Martin, J. D., Perez, C., and Ravelo, J. L. 1986. *J. Am. Chem. Soc.*, **108**, 7801-7811.  
Enantioselective ring construction: Synthesis of halogenated marine natural spiro[5.5]undecane sesquiterpenes.