

7302#7 (Miscellaneous)

Name: 2*S*-Hydroperoxy-12*R*-hydroxyisobromosphaerol

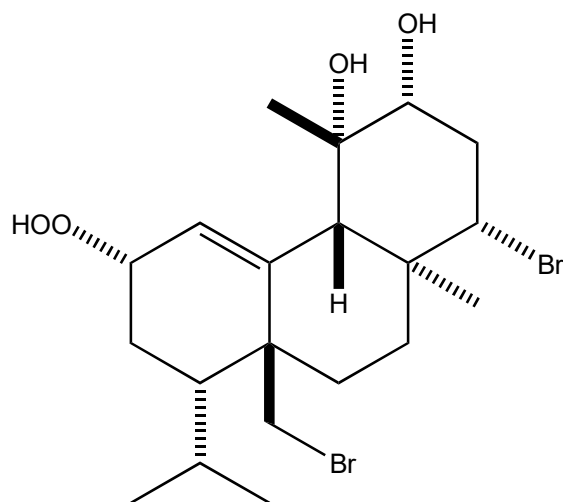
Origin: *Sphaerococcus coronopifolius* (Palaiokastritsa Bay, the west coast of Corfu Island, Greece)⁽¹⁾;

Formula: C₂₀H₃₂Br₂O₄

Mol. Wt.: 496.27

Opt. Rot.: [α]_D²⁰ +6.6 (CHCl₃)

Mp.: White solid



References and Notes

(1) Smyrniotopoulos, V., Vagias, C., Rahman, M. M., Gibbons, S., and Roussis, V. 2008. J. Nat. Prod., **71**, 1386-1392. Brominated diterpenes with antibacterial activity from the red alga *Sphaerococcus coronopifolius*. (UV, IR, ¹H-NMR, ¹³C-NMR, MS) (together with 2*S*-hydroxyisobromosphaerol, 2*S*-hydroperoxy-12*R*-hydroxyisobromosphaerol, 2*S*-hydroperoxy-12*S*-hydroxyisobromosphaerol, 1*S*-hydroxy-1,2-dihydrophaerococcenol-A, 14*S*-bromo-1*S*-hydroxy-1,2,13,14-tetrahydrophaerococcenol-A, 15-hydroxy-1,2-dihydrobromosphaerol)