

## 7306 (Miscellaneous)

Name: 12*S*-Hydroxybromosphaerol

Origin: *Sphaerococcus coronopifolius* (the Bay of Salerno, Italy)<sup>(1)</sup>;

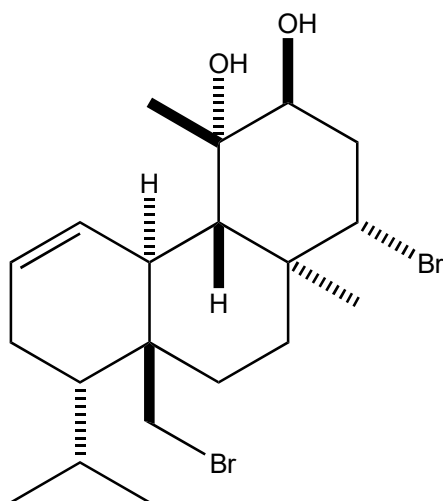
*Sphaerococcus coronopifolius* (the west coast of Corfu Island, Greece)<sup>(2)</sup>;

Formula: C<sub>20</sub>H<sub>32</sub>Br<sub>2</sub>O<sub>2</sub>

Mol. Wt.: 464.27

Opt. Rot.: [α]<sub>D</sub> -2.2 (CHCl<sub>3</sub>)<sup>(1)</sup>; [α]<sub>D</sub><sup>20</sup> -0.8 (CHCl<sub>3</sub>)<sup>(2)</sup>

Mp.: Oil<sup>(1)</sup>; Oil<sup>(2)</sup>



### References and Notes

(1) Cafieri, F., Ciminiello, P., Fattorusso, E., and Santacrose, C. 1982. *Experientia*, **38**, 298-299. 12*S*-Hydroxybromosphaerodiol, a new bromoditerpene from the red alga *Sphaerococcus coronopifolius*.

(**IR**, **<sup>1</sup>H-NMR**)

(2) Smyrniotopoulos, V., Quesada, A., Vagias, C., Moreau, D., Roussakis, C., and Roussis, V. 2008. *Tetrahedron*, **64**, 5184-5190. Cytotoxic bromoditerpenes from the red alga *Sphaerococcus coronopifolius*. (**<sup>1</sup>H-NMR**, **<sup>13</sup>C-NMR**, **MS**) (together with 3 new bromoditerpene, 6 known diterpenes; 1-hydroperoxybromosphaerane I, bromosphaerodiol, 12*R*-hydroxybromosphaerol, 12*S*-hydroxybromosphaerol, bromosphaerol, sphaerococcenol A)