

7304 (Miscellaneous)

Name: 12*S*-Hydroxybromosphaerodiol

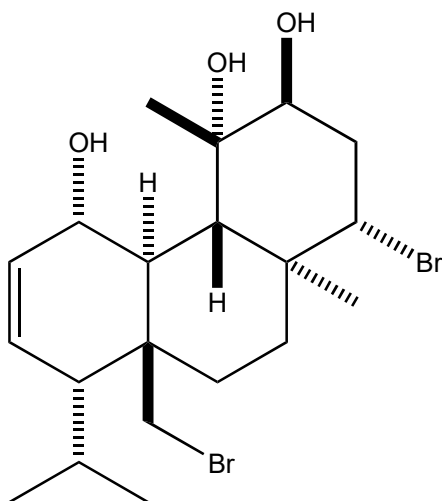
Origin: *Sphaerococcus coronopifolius* (near Massalubrense, Bay of Naples, Italy)⁽¹⁾;
Sphaerococcus coronopifolius (near El Jadida, on the Atlantic coast of Morocco)⁽²⁾;
Sphaerococcus coronopifolius (Berlenga Nature Reserve, Peniche, Portugal)⁽³⁾;

Formula: C₂₀H₃₂Br₂O₃

Mol. Wt.: 480.27

Opt. Rot.: [α]_D +39 (CHCl₃)

Mp.: 88-90



References and Notes

(1) Cafieri, F., De Napoli, L., Fattorusso, E., and Santacroce, C. 1987. *Phytochemistry*, **26**, 471-473. Diterpenes from the red alga *Sphaerococcus coronopifolius*.

(**IR**, **¹H-NMR**, **¹³C-NMR**) (together with [12*S*-hydroxybromosphaerodiol](#), [12*R*-hydroxybromosphaerol](#), [isosphaerodiene-1](#), [isosphaerodiene-2](#))

(2) Etahiri, S., Bultel-Ponce, V., Caux, C., and Guyot, M. 2001. *J. Nat. Prod.*, **64**, 1024-1027. New bromoditerpenes from the red alga, *Sphaerococcus coronopifolius*. (**¹H-NMR**, **¹³C-NMR**) (together with [sphaerolabdadiene-3,14-diol](#), [bromosphaerone](#), [12*S*-hydroxybromosphaerol](#), [sphaerococcenol A](#))

(3) Rodrigues, D., Alves, C., Horta, A., Pinteus, S., Silva, J., Culioli, G., Thomas, O. P., and Podrosa, R. 2015. *Mar. Drugs*, **13**, 713-726. Antitumor and antimicrobial potential of bromoditerpenes isolated from the red alga, *Sphaerococcus coronopifolius*. (**IR**, **¹H-NMR**, **¹³C-NMR**) (together with [sphaerodactylomelol](#), [bromosphaerol](#), [12*S*-hydroxybromosphaerol](#), [12*R*-hydroxybromosphaerol](#), [sphaerococcenol A](#))