

7318 (Miscellaneous)

Name: Sphaerodactylomelol

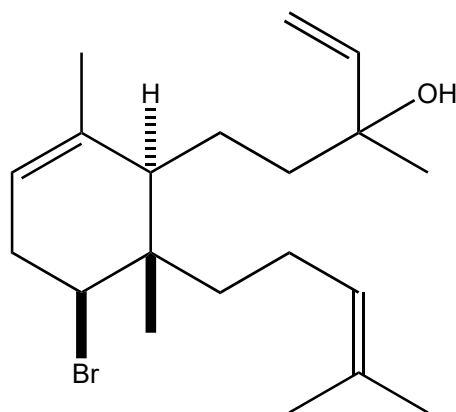
Origin: *Sphaerococcus coronopifolius* (Berlenga Nature Reserve, Peniche, Portugal)⁽¹⁾;

Formula: C₂₀H₃₃BrO

Mol. Wt.: 369.38

Opt. Rot.: [α]_D²⁰ -33.3 (CHCl₃)

Mp.: Oil



References and Notes

(1) 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)

(2) **Biological activities**; Alves, C., Silva, J., Pinteus, S., Alonso, E., Alvarino, R., Duarte, A., Marmitt, D., Goettert, M. I., Gaspar, H., Alfonso, A., Alpoim, M. C., Botana, L. M., and Podrosa, R. 2021. Molecules, **26**, (No. 5) 1374. Cytotoxic mechanism of sphaerodactylomelol, an uncommon bromoditerpene isolated from *Sphaerococcus coronopifolius*.