

7302#4 (Miscellaneous)

Name: Bromotetrasphaerol

Origin: *Sphaerococcus coronopifolius* (the Bay of Naples near Massalubrense, Italy)⁽¹⁾;

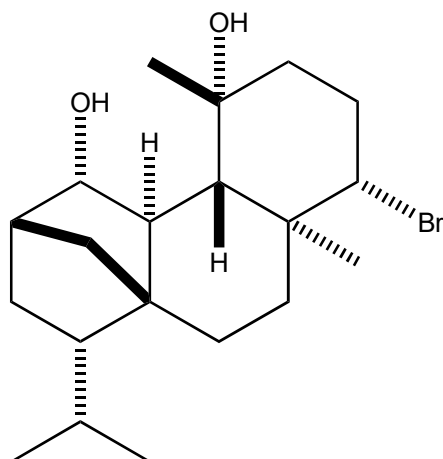
Sphaerococcus coronopifolius (Palaiokastritsa Bay, the west coast of Corfu Island, Greece)⁽²⁾;

Formula: C₂₀H₃₃BrO₂

Mol. Wt.: 385.38

Opt. Rot.: [α]_D -5.9 (CHCl₃)

Mp.: Oil



References and Notes

(1) Cafieri, F., Fattorusso, E., Mayol, L., and Santacroce, C. 1986. *Tetrahedron*, **42**, 4273-4276. Structure of bromotetrasphaerol, a further irregular diterpene from the red alga *Sphaerococcus coronopifolius*. (¹H-NMR, ¹³C-NMR)

(2) Smyrniotopoulos, V., Vagias, C., Rahman, M. M., Gibbons, S., and Roussis, V. 2010. *Chem. Biodiversity*, **7**, 666-676. Ioniols I and II, tetracyclic diterpenes with antibacterial activity, from *Sphaerococcus coronopifolius*. (together with ioniol I, ioniol II, [bromotetrasphaerol](#), coronopifoliol)