

7312 (Miscellaneous)

Name: Coronopifoliol

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

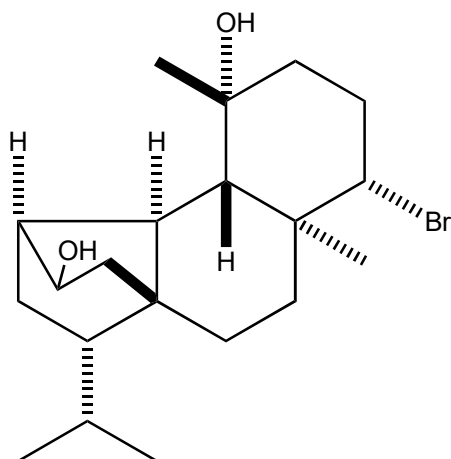
Sphaerococcus coronopifolius (Palaiokastritsa Bay, the west coast of Corfu Island, Greece)⁽²⁾;

Formula: C₂₀H₃₃BrO₂

Mol. Wt.: 385.38

Opt. Rot.: [α]_D -28.6 (CHCl₃)

Mp.: Oil(?)



References and Notes

(1) Cafieri, F., Fattorusso, E., and Mayol, L. 1987. J. Org. Chem., **50**, 3982-3984. Coronopifoliol, a diterpene based on an unprecedented tetracyclic skeleton from the red alga *Sphaerococcus coronopifolius*. (IR, 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*. (UV, IR, ¹H-NMR, ¹³C-NMR, MS)
(together with ioniol I, ioniol II, bromotetrasphaerol, [coronopifoliol](#))