

4316 (C15 acetogenin)

Name: Rogioloxepane B

{3-(1-Bromo-propyl)-5-(1-chloro-hex-3-en-5-ynyl)-4,8-dioxabicyclo[5.1.0]octane}

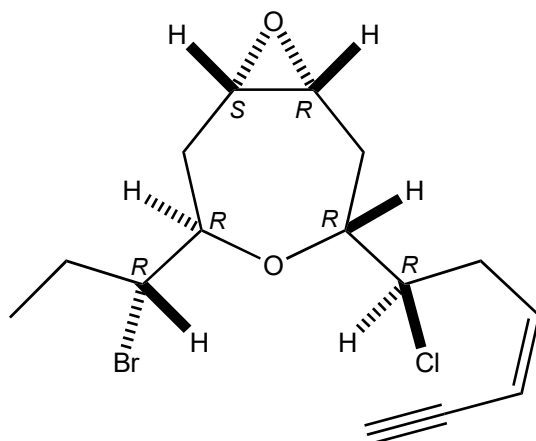
Origin: *Laurencia microcladia* (off the torrent II Rogiolo, Mediterranean, Spain)⁽¹⁾;

Formula: C₁₅H₂₀BrClO₂

Mol. Wt.: 347.68

Opt. Rot.: [α]_D +8 (CCl₄)

Mp.: Oil



References and Notes

(1) Guella, G., Mancini, I., Chiasera, G., and Pietra, F. 1992. *Helv. Chim. Acta*, **75**, 310-322. On the unusual propensity by the red seaweed *Laurencia microcladia* of II Rogiolo to form C₁₅ oxepanes: Isolation of rogioloxepane A, B, C, and their likely biogenetic acyclic precursor, prelogioloxepane. (¹H-NMR, ¹³C-NMR, MS)