

4410 (C₁₅ acetogenin)

Name: (3Z)-6-Chlorolauthisa-3,11-dien-1-yne-9,10-diol

{2-(1-Chloro-hex-3-en-5-ynyl)-8-ethyl-3,4,5,8-tetrahydro-2H-oxocine-4,5-diol}

Origin: *Laurencia thyrifera* (Seal Reef, Kaikoura, New Zealand)^(1,2);

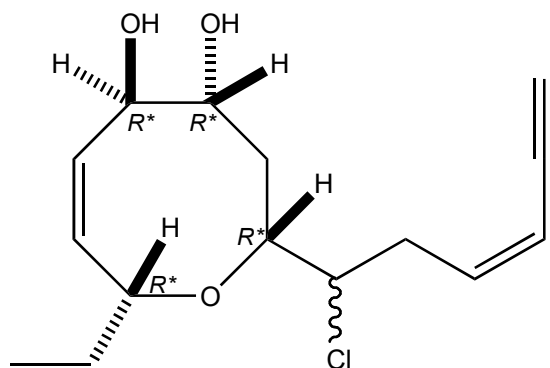
Laurencia glandulifera (Loutraki Bay, Crete Island, Greece)⁽³⁾;

Formula: C₁₅H₂₁ClO₃

Mol. Wt.: 284.78

Opt. Rot.:

Mp.:



References and Notes

(1) Blunt, J. W., Lake, R. J., Munro, M. H. G., and Yorke, S. C. 1981. *Aust. J. Chem.*, **34**, 2393-2400.

A new vinyl acetylene from the red alga *Laurencia thyrifera*.

(¹³C-NMR), Acetate; (¹H-NMR, ¹³C-NMR)

(2) Blunt, J. W., Lake, R. J., and Munro, M. H. G. 1984. *Aust. J. Chem.*, **37**, 1545-1552. Metabolites of the marine red alga *Laurencia thyrifera*. III.

(3) Kladi, M., Vagias, C., Stavri, M., Rahman, M. M., Gibbons, S., and Roussis, V. 2008. *Phytochem. Lett.*, **1**, 31-36. C₁₅ acetogenins with antistaphylococcal activity from the red alga *Laurencia*

glandulifera. (¹H-NMR, ¹³C-NMR)