

## 4115 (C15 acetogenin)

Name: (3Z,9Z,12Z)-(6R,7R)-6-Acetoxy-7-chloro-pentadeca-3,9,12-trien-1-yne

{Acetic acid 2-chloro-1-pent-2-en-4-ynyl-deca-4,7-dienyl ester}

Origin: *Laurencia pinnatifida* (Los Cristianos, Tenerife, Canary Islands, Spain)<sup>(1)</sup>;

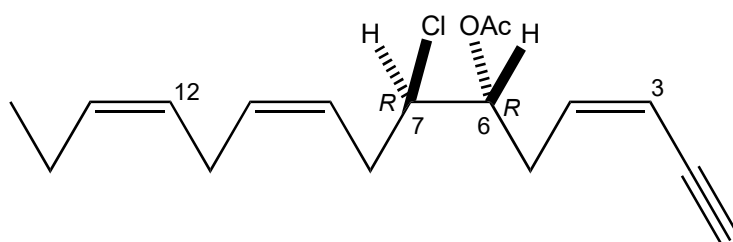
*Laurencia pinnatifida* (Tenerife, Canary Islands, Spain)<sup>(2)</sup>;

Formula: C<sub>17</sub>H<sub>23</sub>ClO<sub>2</sub>

Mol. Wt.: 294.82

Opt. Rot.: [α]<sub>D</sub><sup>25</sup> +4.54 (CHCl<sub>3</sub>)<sup>(1)</sup>; [α]<sub>D</sub><sup>25</sup> +18.5 (CHCl<sub>3</sub>)<sup>(2)</sup>

Mp.: Oil



### References and Notes

(1) Gonzalez, A. G., Martin, J. D., Martin, V. S., Norte, M., Perez, R., Ruano, J. Z., Drexler, S. A., and Clardy, J. 1982. *Tetrahedron*, **38**, 1009-1014. Non-terpenoid C-15 metabolites from the red seaweed *Laurencia pinnatifida*. (UV, IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, MS) (together with *trans*-pinnatifidenyne, *cis*-pinnatifidenyne)

(2) Norte, M., Gonzalez, A. G., Cataldo, F., Rodriguez, M. L., and Brito, I. 1991. *Tetrahedron*, **47**, 9411-9418. New examples of acyclic and cyclic C-15 acetogenins from *Laurencia pinnatifida*. Reassignment of the absolute configuration for E and Z pinnatifidienyne. (UV, IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, MS) (together with linear and cyclic acetogenins)