

## 3109 (Triterpene)

Name: Dehydrothysiferol

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

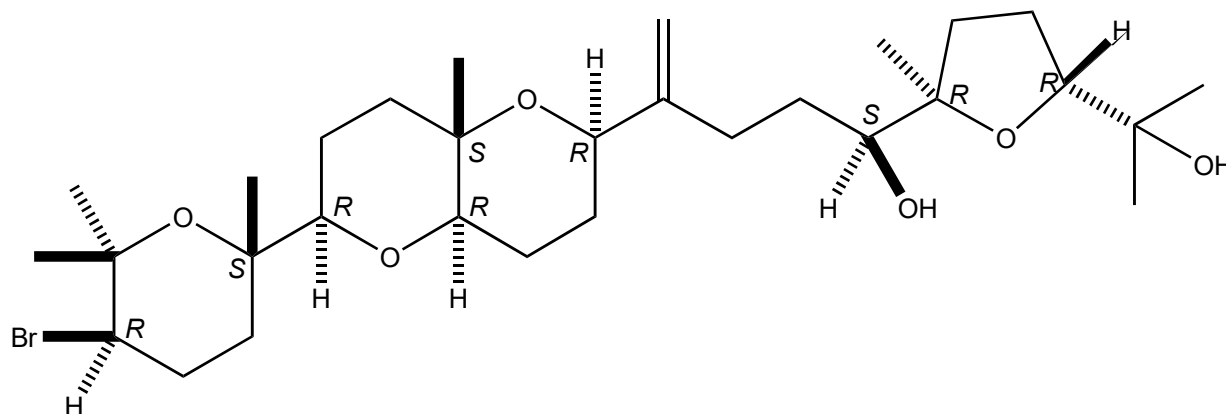
*Laurencia viridis* (Callao Salvaje, Paraiso Flororal, El Palmar, South Tenerife, Canary Islands, Spain)<sup>(2)</sup>;

Formula: C<sub>30</sub>H<sub>51</sub>BrO<sub>6</sub>

Mol. Wt.: 587.63

Opt. Rot.: [α]<sub>D</sub> -203 (CHCl<sub>3</sub>)

Mp.: 103-104<sup>(1)</sup>



### References and Notes

(1) Gonzalez, A. G., Arteaga, J. M., Fernandez, J. J., Martin, D. J., Norte, M., and Ruano, J. Z. 1984. *Tetrahedron*, **40**, 2751-2755. Terpenoids of the red alga *Laurencia pinnatifida*.

(IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, MS) (together with [dehydrothysiferol](#), new and known laurane-sesquiterpenes, *cis*-pinnadifidenyne)

(2) Norte, M., Fernandez, J. J., and Souto, M. L. 1997. *Tetrahedron*, **53**, 4649-4654. New polyether squalene derivatives from *Laurencia*. (together with five new triterpenes dehydrovenustatriol, 15,16-dehydrovenustatriol, predehydrovenustatriol acetate, 16-hydroxydehydrothysiferol, 10-epi-15,16-dehydrothysiferol, and known [dehydrothysiferol](#))

(3) **Biological activity**; (a) Lopez-Arencibia, A., Bethencourt-Estrella, C. J., Nicolas-Hernandez, D. S., Rodoriguez-Exposito, R. L., Dominguez-de-Barros, A., Salazar-Villatoro, L., Omana-Molina, M., Cen-Pacheco, F., Diaz-Marrero, A. R., Fernandez, J. J., Cordoba-Lanus, E., Lorenzo-Morales, J., and Pifero, J. E. 2025. *Mar. Drugs*, **23**, (1) 13. Dehydrothysiferol against cutaneous leishmaniasis: treatment outcome in a murine model.; (b) Cen-Pacheco, F., Diaz-Marrero, A. R., and Fernandez, J. J. 2026. *Mar. Drugs*, **24**, (5) 155. Smart secondary metabolites in marine environments: exploring the oxasquolenoid dehydrothysiferol.