

3111 (Triterpene)

Name: Isodehydrothysiferol

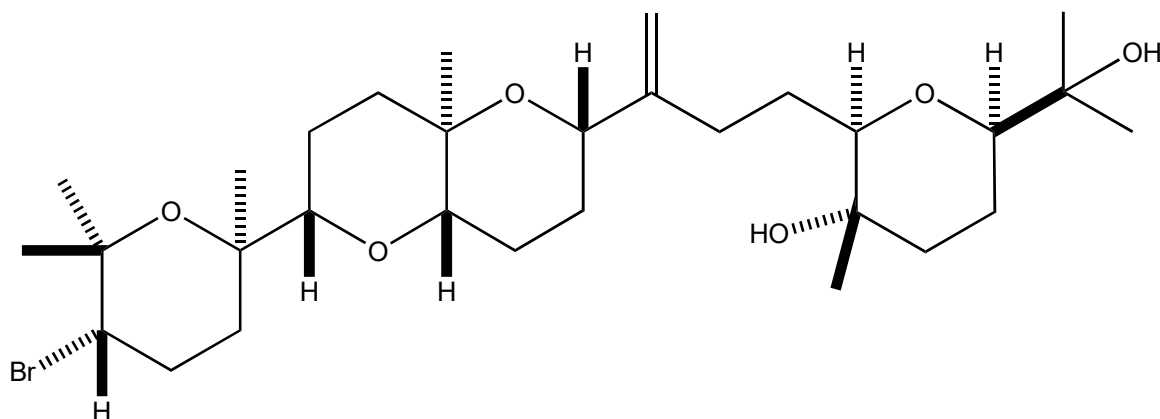
Origin: *Laurencia viridis* (Canary Islands, Spain)⁽¹⁾;

Formula: C₃₀H₅₁BrO₆

Mol. Wt.: 587.63

Opt. Rot.: [α]_D²⁵ +6.5 (CHCl₃)⁽¹⁾; [α]_D²⁵ +7.8 (CHCl₃)⁽²⁾

Mp.: Oil



References and Notes

- (1) Norte, M., Fernandez, J. J., Souto, M. L., and Garcia-Gravalos, M. D. 1996. *Tetrahedron Lett.*, **37**, 2671-2674. Two new antitumoral polyether squalene derivatives. (**IR**, **¹H-NMR**, **¹³C-NMR**, **MS**) (together with 10-epidehydrothysiferol, [isodehydrothysiferol](#))
- (2) **Structure revision by total synthesis**; Hoshino, A., Nakai, H., Morino, M., Nishikawa, K., Kodama, T., Nishikibe, K., and Morimoto, Y. 2017. *Angew. Chem. Int. Ed.*, **56**, 3064-3068. Total synthesis of the cytotoxic marine triterpenoid isodehydrothysiferol reveals partial enantiodivergency in the thysiferol family of natural products.