

4740 (C15 acetogenin)

Name: Marilzafurollene D

{1-Bromo-1-[5-(5-bromo-2-hydroxy-penta-3,4-dienyl)-4-chloro-tetrahydro-furan-2-yl]-hex-4-en-3-ol}

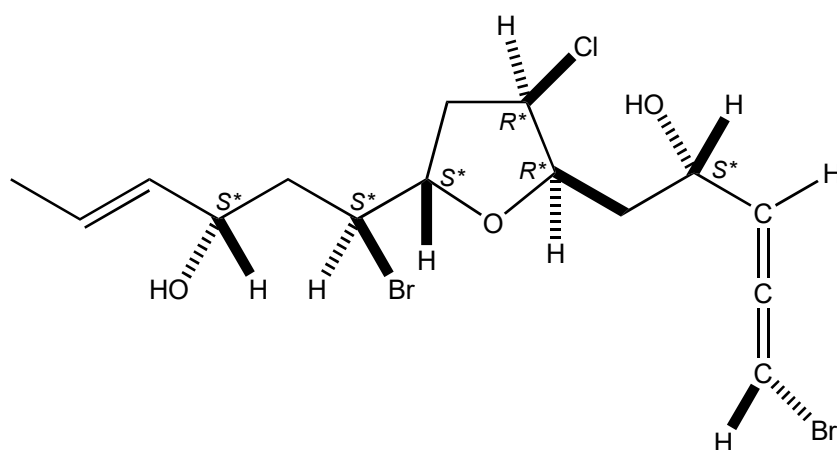
Origin: *Laurencia marilzae* (Paraiso Floral, Tenerife, Canary Islands, Spain)⁽¹⁾;

Formula: C₁₅H₂₁Br₂ClO₃

Mol. Wt.: 444.59

Opt. Rot.: [α]_D²⁵ +22 (CHCl₃)

Mp.: Amorphous substance



References and Notes

(1) Gutierrez-Cepeda, A., Daranas, A. H., Fernandez, J. J., Norte, M., and Souto, M. L. 2014. Mar. Drugs, **12**, 4031-4044. Stereochemical determination of five-membered cyclic ether acetogenins using spin-spin coupling constant approach and DFT calculations. (UV, IR, ¹H-NMR, ¹³C-NMR) (together with marilzafurollenes A-D, 12-acetoxy-marilzafurenyne)