

4703 (C15 acetogenin)

Name: Omaezallene {5-(3-Bromo-propa-1,2-dienyl)-2-(1,6-dibromo-2-hydroxy-octa-3,5-dienyl)-tetrahydro-furan-3-ol}

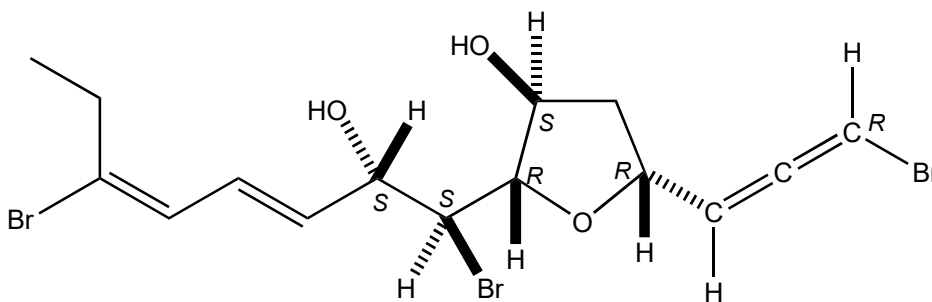
Origin: *Laurencia* sp. (Omaezaki, Shizuoka Prefecture, Japan)⁽¹⁾;

Formula: C₁₅H₁₉Br₃O₃

Mol. Wt.: 487.02

Opt. Rot.: [α]_D²¹ -127 (CHCl₃)

Mp.: Oil



References and Notes

- (1) Umezawa, T., Oguri, Y., Matsuura, H., Yamazaki, S., Suzuki, M., Yoshimura, E., Furuta, T., Nogata, Y., Serisawa, Y., Matsuyama-Serisawa, K., Abe, T., Matsuda, F., Suzuki, M., and Okino, T. 2014. *Angew. Chem. Int. Ed.*, **53**, 3909-3912. Omaezallene from red alga *Laurencia* sp.: Structure elucidation, total synthesis, and antifouling activity. (IR, ¹H-NMR, ¹³C-NMR, MS) (together with omaezallene, (12*Z*)-omaezallene, 12,13-dihydroomaezallene, zagashimallene [4708-1], intricatetraol)
- (2) **Synthesis and biological activity**; Umezawa, T., Pracoso, N. I., Kannaka, M., Nogata, Y., Yoshimura, E., Okino, T., and Matsuda, F. 2019. *Chem. Biodiv.*, **16**, e1800451. Synthesis and structure-activity relationship of omaezallene derivatives.