

4702# (C15 acetogenin)

Name: Dihydroitomanallene B

{Acetic acid 5-(3-bromo-propa-1,2-dienyl)-2-oct-2-enyl-tetrahydro-furan-3-yl ester}

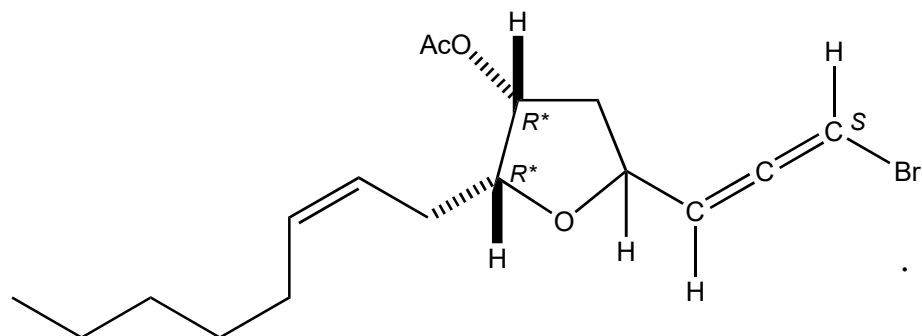
Origin: *Laurencia nangii* (Tun Sakaran Marine Park, Sabah, Malaysia)⁽¹⁾;

Formula: C₁₇H₂₅BrO₃

Mol. Wt.: 357.28

Opt. Rot.: [α]_D²⁵ +64.01 (CHCl₃)

Mp.: Oil



References and Notes

- (1) Kamada, T. and Vairappan, C. S. 2012. *Molecules*, **17**, 2119-2125. A new bromoallene-producing chemical type of the red alga *Laurencia nangii* Masuda. (IR, ¹H-NMR, ¹³C-NMR, MS) (together with [dihydroitomanallene B](#), itomanallene B, pannosallene)
- (2) **Total synthesis**; Fernandes, R. A., Kumar, A., and Pathare, R. S. 2022. *Chem. Commun.*, **58**, 11921-11924. Asymmetric total synthesis of (+)-dihydroitomanallene B and formal synthesis of (-)-kumausallene.