

4734 (C15 acetogenin)

Name: Marilzallene B {5-Bromo-1-(3-chloro-8-propenyl-3,4,7,8-tetrahydro-2*H*-oxocin-2-yl)-penta-3,4-dien-2-ol}

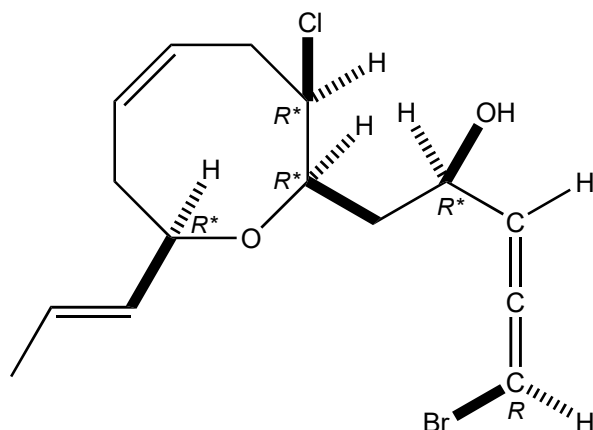
Origin: *Laurencia chondrioides* (Ag. Theodoroi, Kefalonia Island, Greece)⁽¹⁾;
Laurenciella sp. (along the Sanguinaires Road, Ajaccio, Corsica, France)^(2,3);

Formula: C₁₅H₂₀BrClO₂

Mol. Wt.: 347.68

Opt. Rot.: [α]_D²⁰ -32.30 (CHCl₃)

Mp.: Yellowish Oil



References and Notes

(1) Kokkotou, K., Ioannou, E., Nomikou, M., Pitterl, F., Vonaparti, A., Siapi, E., Zervou, M., and Roussis, V. 2014. *Phytochemistry*, **108**, 208-219. An integrated approach using UHPLC-PDA-HRMS and 2D HSQC NMR for the metabolic profiling of the red alga *Laurencia*: Dereplication and tracing of natural products. (UV, IR, ¹H-NMR, ¹³C-NMR, UV) (together with [marilzallene B](#), chondrioallene, 4-acetoxymarilzallene, obtusallene I, obtusallene II, obtusallene III, obtusallene V, obtusallene VI, (3*E*)-laurenyne, *trans*-pinnadifidenyne, (3*E*)-obtusenyne, α-bromocuparene, isolaurenisol, 10-bromo-α-chamigrene)

(2) Sutour, S., Therrien, B., von Reuss, S. H., and Tomi, F. 2018. *J. Nat. Prod.*, **81**, 279-285. Halogenated C₁₅ acetogenin analogues of obtusallene III from a *Laurenciella* sp. collected in Corsica. (together with 4 obtusallene III derivatives, 1 marilzabicycloallene C derivative, 17 known compounds; (3*E*)-laurenyne (main component), (3*Z*)-laurenyne, obtusallene I, 10-bromoobtusallene I, (*E*)-pinnadifidenyne, obtusin, 4-acetoxymarilzallene, [marilzallene B](#), α-bromocuparene, α-isobromocuparene, α-snyderol, 1-deacetoxy-8-deoxyalgaone, cycloelatenene A, 9,15-dibromo-1,3(15)-chamigradien-11-ol, etcetera)

(3) **Correction**; *J. Nat. Prod.*, **81** (2018), 2306.