4459 (C15 acetogenin)

Name: (3*E*)-Epoxyvenustin[2]; Venustin A[1]

{3-(1-Bromo-propylidene)-6-chloro-5-pent-2-en-4-ynyl-4,9-dioxa-bicyclo[6.1.0]nonane}

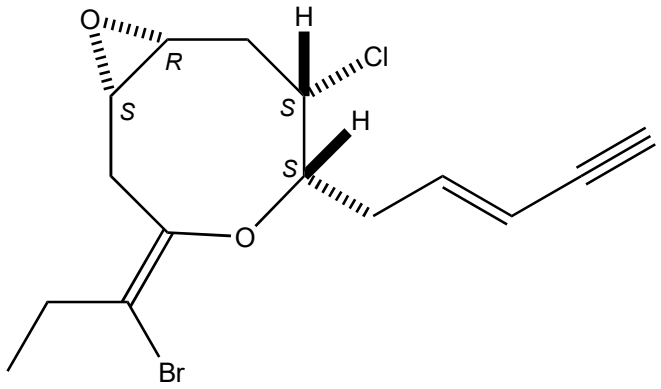
Origin: *Laurencia venusta* (Moheji, Hakodate Bay, Hokkaido, Japan)[1];

Formula: $C_{15}H_{18}BrClO_2$

Mol. Wt.: 345.66

Opt. Rot.: $[\alpha]_D^{27}$ -40 ($CHCl_3$)

Mp.: 94-95 (hexane)



References and Notes

(1) Suzuki, M. and Kurosawa, E. 1980. Chem. Lett., **9**, 1177-1180. Venustin A and B, new halogenated C_{15} metabolites from the red alga *Laurencia venusta* Yamada.

(**UV, IR, ^{1}H-NMR, ^{13}C-NMR, MS**)

(2) Suzuki, M., Kurosawa, E., Furusaki, A., and Matsumoto, T. 1983. Chem. Lett., **12**, 779-782. The structures of (3*Z*)-epoxyvenustin, (3*Z*)-venustin, and (3*Z*)-venustinene, new halogenated C_{15}-nonterpenoids from the red alga *Laurencia venusta* Yamada.

(together with (3*Z*)-epoxyvenustin, (3*Z*)-venustin, (3*Z*)-venustinene)