

4423 (C15 acetogenin)

Name: (3*E*)-Dehydrobromolaurefucin

{3-Ethyl-9-pent-2-en-4-ynyl-
2,8-dioxa-bicyclo[5.2.1]dec-4-en-6-ol}

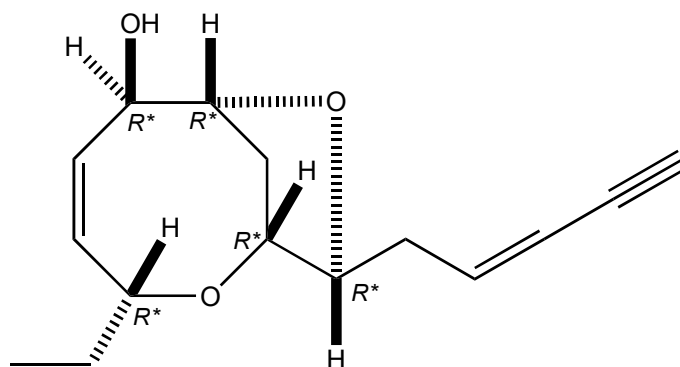
Origin: *Laurencia* sp. cf. *L. gracilis* (Matheson Bay, Leigh, New Zealand)⁽¹⁾;
Laurencia subopposita (La Jolla, California, USA)⁽²⁾;

Formula: C₁₅H₂₀O₃

Mol. Wt.: 248.32

Opt. Rot.: [α]_D²⁵ -26.3 (CHCl₃)

Mp.: Oil



References and Notes

- (1) König, G. M. and Wright, A. D. 1994. J. Nat. Prod., **57**, 477-485. New C₁₅ acetogenins and sesquiterpenes from the red alga *Laurencia* sp. cf. *L. gracilis*. (UV, IR, ¹H-NMR, ¹³C-NMR, MS) (together with several acetogenins and sesquiterpenes)
- (2) Wratten, S. J. and Faulkner, D. J. 1977. J. Org. Chem., **42**, 3343-3349. Metabolites of the red alga *Laurencia subopposita*. (3*E*/3*Z* (1:1) mixture) (UV, IR, ¹H-NMR, MS) (together with isoprelaurefucin, acetyl-laurefucin, laurefucin, [dehydrobromolaurefucin](#), several sesquiterpenes)