

4320 (C15 acetogenin)

Name: Neoisoprelaufucin {5-Bromo-3-(1-bromo-propyl)-8-pent-2-en-4-ynyl-2,7-dioxabicyclo[4.2.1]nonane}

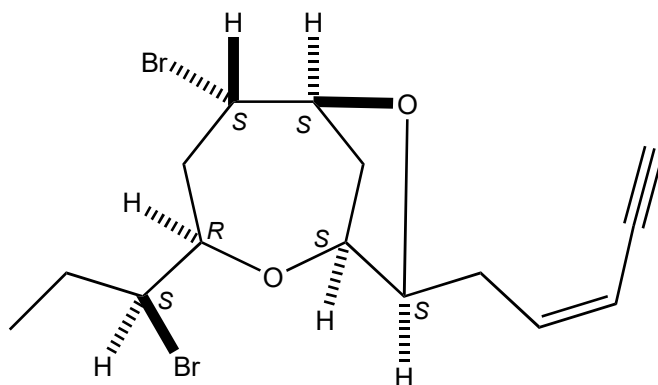
Origin: *Laurencia nipponica* (Naoetsu and Kashiwazaki, Niigata Prefecture, Japan)⁽¹⁾;

Formula: C₁₅H₂₀Br₂O₂

Mol. Wt.: 392.13

Opt. Rot.: [α]_D²³ +17.2 (CHCl₃)⁽¹⁾; [α]_D²³ +17.3 (CHCl₃)⁽²⁾

Mp.: Oil



References and Notes

(1) Suzuki, M., Mizuno, Y., Matsuo, Y., and Masuda, M. 1996. *Phytochemistry*, **43**, 121-124. Neoisoprelaufucin, a halogenated C₁₅ non-terpenoid compound from *Laurencia nipponica*. (IR, ¹H-NMR, ¹³C-NMR, MS) (together with [neoisoprelaufucin](#), (3*E*)-laureatin)

(2) **Total synthesis**; Lee, H., Kim, H., Baek, S., Kim, S., and Kim, D. 2003. *Tetrahedron Lett.*, **44**, 6609-6612. Total synthesis and determination of the absolute configuration of (+)-neoisoprelaufucin.