

4812 (C15 acetogenin)

Name: Obtusallene V

{2,5-Dibromo-8-(3-bromo-propa-1,2-dienyl)-11-chloro-6-methyl-7,13,14-trioxa-tricyclo[8.2.1.1^{1,4}]tetradecane}

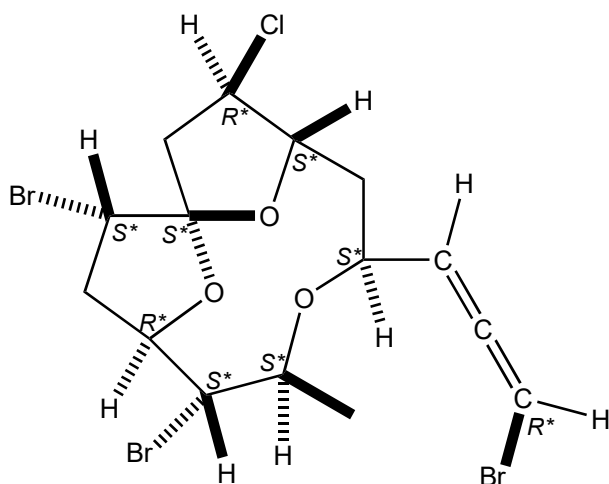
Origin: *Laurencia obtusa* (Kas, near Antalya, Mediterranean Sea, Turkey)⁽¹⁾;

Formula: C₁₅H₁₈Br₃ClO₃

Mol. Wt.: 521.47

Opt. Rot.: [α]_D²⁰ -76 (EtOH)

Mp.: Oil (?)



References and Notes

(1) Guella, G., Mancini, I., Öztunc, A., and Pietra, F. 2000. *Helv. Chim. Acta*, **83**, 336-348.

Conformational bias in macrocyclic ethers and observation of high solvolytic reactivity at a masked furfuryl (= 2-furylmethyl) C-atom. (UV, ¹H-NMR, ¹³C-NMR, MS) (together with obtusallenes V, VI, VII, VIII, IX)

(2) **Structure revision**; Braddock, D. C. and Rzepa, H. S. 2008. *J. Nat. Prod.*, **71**, 728-730. Structural reassignment of obtusallenes V, VI, and VII by GIAO-based density functional prediction.