

## 4814 (C15 acetogenin)

Name: Obtusallene VII

{2,11-Dibromo-5-(3-bromo-propa-1,2-dienyl)-8-chloro-3-methyl-4,13-dioxo-bicyclo[8.2.1]tridecan-7-ol}

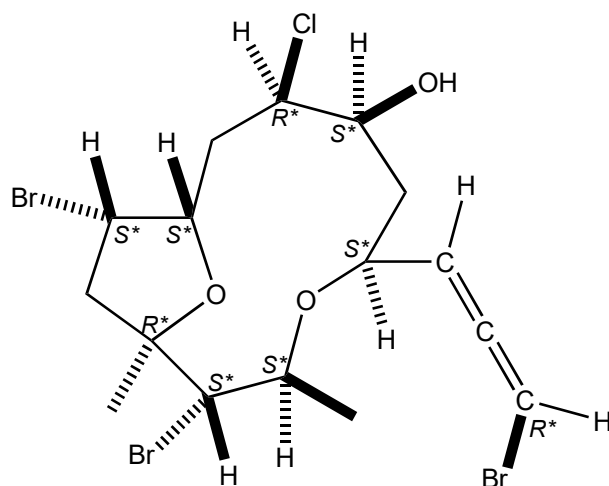
Origin: *Laurencia obtusa* (Kas, near Antalya, Mediterranean Sea, Turkey)<sup>(1)</sup>;

Formula: C<sub>15</sub>H<sub>20</sub>Br<sub>3</sub>ClO<sub>3</sub>

Mol. Wt.: 523.48

Opt. Rot.: [α]<sub>D</sub><sup>20</sup> -119 (CHCl<sub>3</sub>)

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. (<sup>1</sup>H-NMR, <sup>13</sup>C-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.