

4820 (C15 acetogenin)

Name: Chondrioallene

{12-(3-Bromo-propa-1,2-dienyl)-8-hydroxy-10-methyl-11,13-dioxabicyclo[7.3.1]tridec-2-en-5-one}

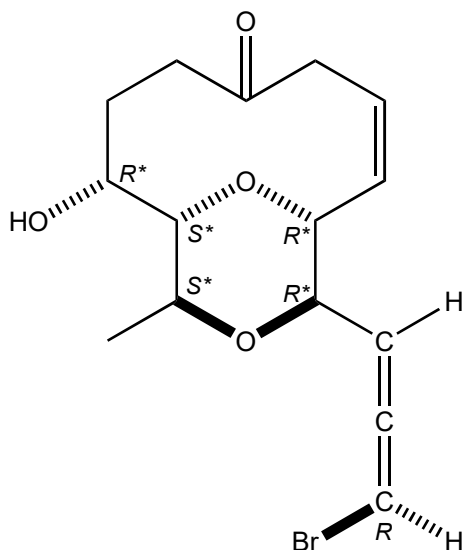
Origin: *Laurencia chondrioides* (Ag. Theodoroi, Kefalonia Island, Greece)<sup>(1)</sup>;

Formula: C<sub>15</sub>H<sub>19</sub>BrO<sub>4</sub>

Mol. Wt.: 343.21

Opt. Rot.: [ $\alpha$ ]<sub>D</sub><sup>20</sup> -18.50 (CHCl<sub>3</sub>)

Mp.: Yellowish Oil



### References and Notes

(1) Kokkotou, K., Ioannou, E., Nomikou, M., Pitterl, F., Vonaparti, A., Siapi, E., Zervou, M., and Roussis, V. 2014. *Phytochemistry*, **108**, 208-219. An integrated approach using UHPLC-PDA-HRMS and 2D HSQC NMR for the metabolic profiling of the red alga *Laurencia*: Dereplication and tracing of natural products. (UV, IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, UV) (together with marilzallene B, **chondrioallene**, 4-acetoxymarilzallene, obtusallene I, obtusallene II, obtusallene III, obtusallene V, obtusallene VI, (3*E*)-laurenyne, *trans*-pinnadifidenyne, (3*E*)-obtusenyne,  $\alpha$ -bromocuparene, isolaurenisol, 10-bromo- $\alpha$ -chamigrene.)