

## 4709 (C15 acetogenin)

Name: Laurenmariallene

{6-Bromo-5-(4-bromo-hexa-1,3-dienyl)-2-(3-bromo-propa-1,2-dienyl)-2,3,3a,6a-tetrahydro-furo[3,2-*b*]furan}

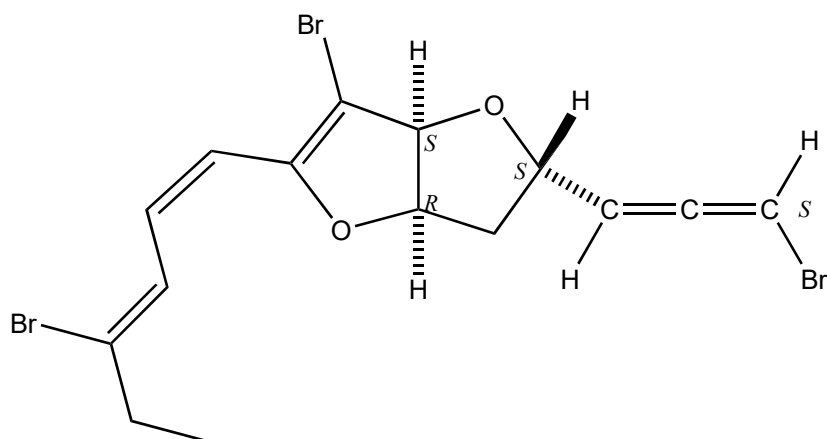
Origin: *Laurencia marianensis* (Hainan and Weizhou Islands, China)<sup>(1)</sup>;

Formula: C<sub>15</sub>H<sub>15</sub>Br<sub>3</sub>O<sub>2</sub>

Mol. Wt.: 466.99

Opt. Rot.: [α]<sub>D</sub><sup>18</sup> +190 (CHCl<sub>3</sub>)

Mp.: Oil



### References and Notes

(1) Ji, N.-Y., Li, X.-M., Li, K., Ding, L.-P., Gloer, J. B., and Wang, B.-G. 2007. *J. Nat. Prod.*, **70**, 1901-1905. Diterpene, sesquiterpenes, and a C<sub>15</sub>-acetogenin from the marine red alga *Laurencia mariannensis*. (UV, IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, MS) (together with 10-hydroxykahukuene, 9-deoxyelatol, isodactyloxene A, laurenmariallene, elatol derivative, isorhodolaureol derivative, 10 known compounds; elatol, deschloroelatol, (+)-(10*S*)-bromo-β-chamigrene, nidificene, obtusane, (-)-(10*R*)-bromo-α-chamigrene, isoafricanol, 2-(1'-bromoethyl)-2,5-dimethyl-6-(penta-2'',4''-dienyl)tetrahydropyran, irieol, pinnaterpene C)