

## 4737 (C15 acetogenin)

Name: Marilzafurollene A

{6-Bromo-6-[5-(5-bromo-2-hydroxy-penta-3,4-dienyl)-4-chloro-tetrahydro-furan-2-yl]-hex-3-en-2-one}

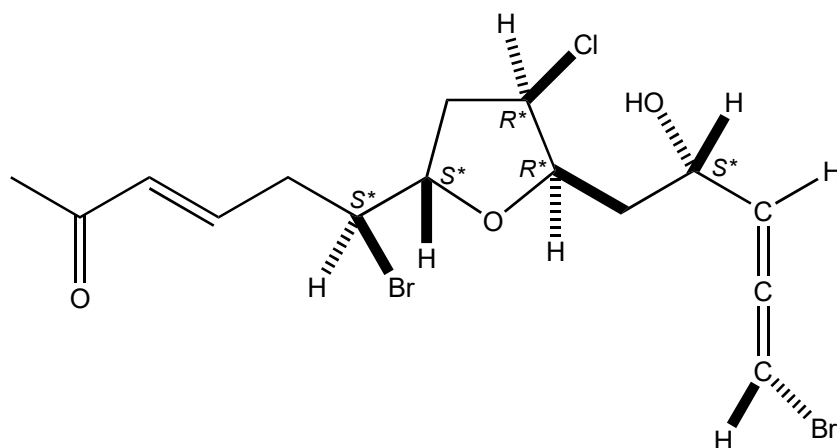
Origin: *Laurencia marilzae* (Paraiso Floral, Tenerife, Canary Islands, Spain)<sup>(1)</sup>;

Formula: C<sub>15</sub>H<sub>19</sub>Br<sub>2</sub>ClO<sub>3</sub>

Mol. Wt.: 442.57

Opt. Rot.:  $[\alpha]_D^{25} +32$  (CHCl<sub>3</sub>)

Mp.: Amorphous substance



### References and Notes

(1) Gutierrez-Cepeda, A., Daranas, A. H., Fernandez, J. J., Norte, M., and Souto, M. L. 2014. Mar. Drugs, **12**, 4031-4044. Stereochemical determination of five-membered cyclic ether acetogenins using spin-spin coupling constant approach and DFT calculations. (UV, IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR) (together with marilzafurollenes A-D, 12-acetoxy-marilzafurenyne)