

## 4303 (C15 acetogenin)

Name: Srilankenyne {3-Bromo-5-chloro-2-ethyl-6-octa-2,5-dien-7-ynyl-tetrahydro-pyran}

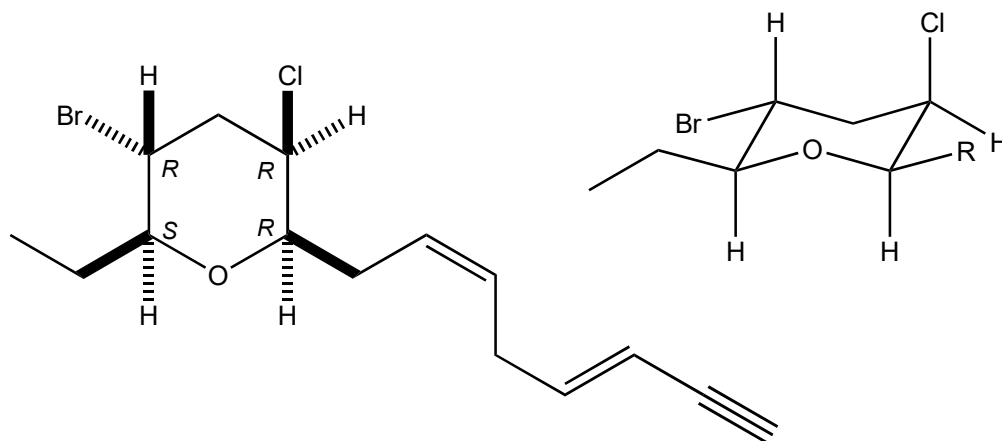
Origin: *Aplysia oculifera* (Duwa, Sri Lanka)<sup>(1)</sup>;

Formula: C<sub>15</sub>H<sub>20</sub>BrClO

Mol. Wt.: 331.68

Opt. Rot.: [α]<sub>D</sub> +7.14 (CH<sub>2</sub>Cl<sub>2</sub>)<sup>(1)</sup>; [α]<sub>D</sub><sup>22</sup> +6.13 (CH<sub>2</sub>Cl<sub>2</sub>)<sup>(2)</sup>;

Mp.: Liquid<sup>(1)</sup>; Oil<sup>(2)</sup>



### References and Notes

- (1) de Silva, E. D., Schwartz, R. E., Scheuer, P. J., and Shoolery, J. N. 1983. *J. Org. Chem.*, **48**, 395-396. Srilankenyne, a new metabolite from the sea hare *Aplysia oculifera*. (UV, IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, MS)
- (2) **Total synthesis**; Jang, H., Kwak, S. Y., Lee, D., Alegre-Requena, J. V., Kim, H., Paton, R. S., and Kim, D. 2021. *Org. Lett.*, **23**, 1321-1326. Asymmetric total synthesis and determination of the absolute configuration of (+)-srilankenyne via sequence-sensitive halogenation guided by conformational analysis. (<sup>1</sup>H-NMR, <sup>13</sup>C-NMR)