4322 (C15 acetogenin)

Name: Sargonenyne {Acetic acid 2-bromo-1-(5-bromo-6-ethyl-3-hydroxy-tetrahydro-pyran-2-ylmethyl)-hept-4-en-6-ynyl ester}

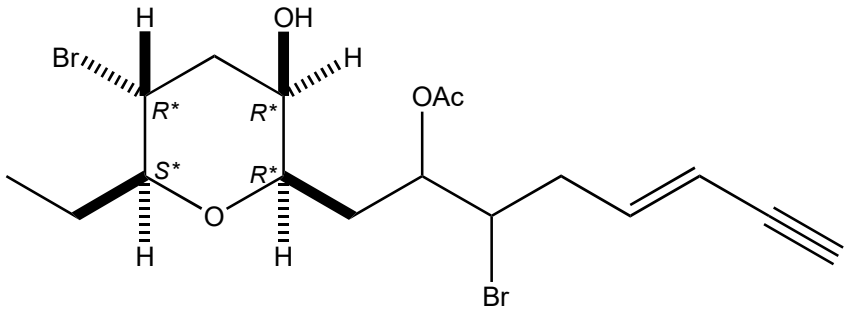
Origin: *Laurencia obtusa* (Sargone bay, Corsica, France)[(1)];
Laurencia obtusa (Erbalunga, Corsica, France)[(2)];
Laurencia microcladia (the coast of Agia Kyriaki, Tinos Island in the Aegean Sea, Greece)[(3)];

Formula: $C_{17}H_{24}Br_2O_4$

Mol. Wt.: 452.18

Opt. Rot.:

Mp.:



References and Notes

(1) Esselin, H., Sutour, S., Liberal, J., Cruz, M. T., Salgueiro, L., Siegler, B., Freuze, I., Castola, V., Paoli, M., Bighelli, A., and Tomi, F. 2017. Molecule, **22**, 779. Chemical composition of *Laurencia obtusa* extract and isolation of a new C_{15} acetogenin. (**^{1}H-NMR, ^{13}C-NMR**)

(2) Esselin, H., Tomi, F., Bighelli, A., and Sutour, S. 2018. Molecules, **23**, 720. New metabolites isolated from a *Laurencia obtusa* population collected in Corsica. (together with 2 new sargonenyne derivatives, sargonenyne, a new rearranged concinndiol, concinndiol, laurene, α-bromocuparene, β-snyderol, microcladallene A)

(3) Harizani, M., Diakaki, D.-I., Perdikaris, S., Roussis, V., and Ioannou, E. 2022. Molecules, **27**(6), 1866. New C_{15} acetogenins from two species of *Laurencia* from the Aegean Sea.
(together with nine C_{15} acetogenins, including five new 10-acetyl-sargonenyne, *cis*-sargonenyne, *trans*-thuwalenyne C, tinosallene A, tinosallene B; six known sesquiterpenes; two known diterpenes)