

4102 (C₁₅ acetogenin)

Name: *trans*-Laurencenyne

{Pentadeca-3,6,9,12-tetraen-1-yne}

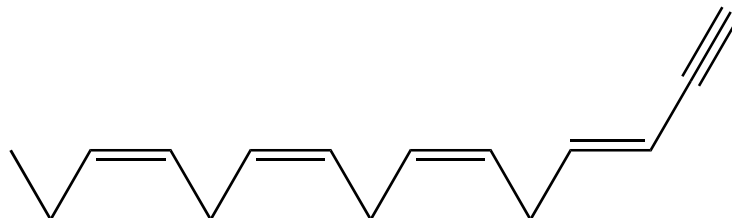
Origin: *Laurencia okamurai* (as *L. okamurai*) (the coast of Goza, Mie, Japan)^(1,2);

Formula: C₁₅H₂₀

Mol. Wt.: 200.32

Opt. Rot.:

Mp.: Liquid



References and Notes

(1) Kigoshi, H., Shizuri, Y., Niwa, H., and Yamada, K. 1982. *Tetrahedron Lett.*, **23**, 1475-1476.

Isolation and structures of *trans*-laurencenyne, a possible precursor of the C₁₅ halogenated cyclic ethers, and *trans*-neolaurencenyne from *Laurencia okamurai*. (UV, IR, ¹H-NMR, ¹³C-NMR)

(2) Kigoshi, H., Shizuri, Y., Niwa, H., and Yamada, K. 1986. *Tetrahedron*, **42**, 3781-3787. Four new C₁₅ acetylenic polyenes of biogenetic significance from the red alga *Laurencia okamurai*: structures and synthesis. (UV, IR, ¹H-NMR, ¹³C-NMR, MS)