

3304 (Triterpene)

Name: (10*R*,11*R*)-(+)-Sualene-10,11-epoxide {2-(4,8-Dimethyl-nona-3,7-dienyl)-2-methyl-3-(4,8,12-trimethyl-trideca-3,7,11-trienyl)-oxirane}

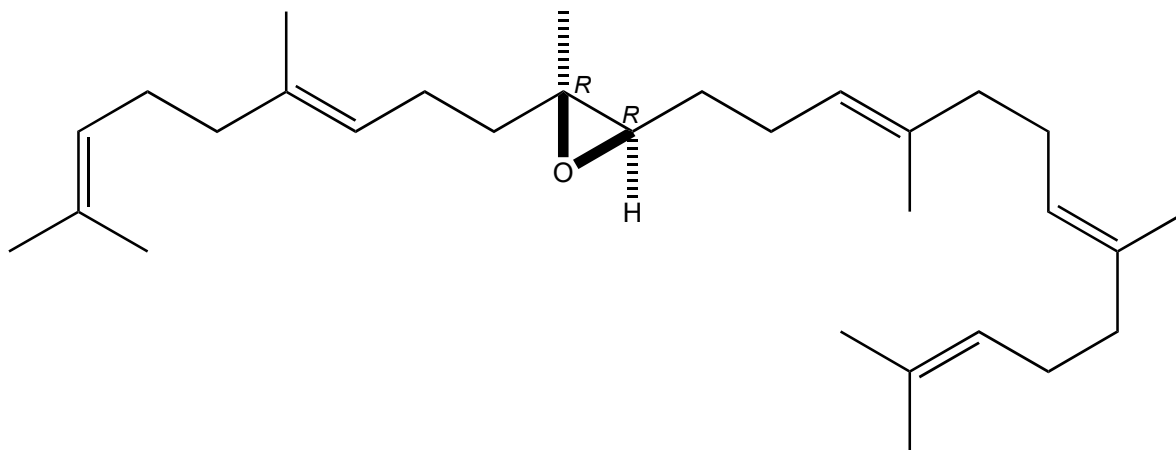
Origin: *Laurencia okamurae* (as *L. okamurai*) (Goza, Mie, Japan)^(1,2);

Formula: C₃₀H₅₀O

Mol. Wt.: 426.72

Opt. Rot.: [α]_D²⁵ +10.4 (CHCl₃)

Mp.: Oil



References and Notes

(1) Kigoshi, H., Ojika, M., Shizuri, Y., Niwa, H., and Yamada, K. 1982. *Tetrahedron Lett.*, **23**, 5413-5414. (10*R*,11*R*)-(+)-Squalene-10,11-epoxide: Isolation from *Laurencia okamurai* and the asymmetric synthesis. (IR, ¹H-NMR, ¹³C-NMR, MS)

(2) Kigoshi, H., Ojika, M., Shizuri, Y., Niwa, H., and Yamada, K. 1986. *Tetrahedron*, **42**, 3789-3792. Isolation of (10*R*,11*R*)-(+)-Squalene-10,11-epoxide from the red alga *Laurencia okamurai* and its enantioselective synthesis. (IR, ¹H-NMR, ¹³C-NMR, MS)