

2701# (Diterpene)

Name: Laukarlaol

{4,4,6a,11b-Tetramethyl-9-methylene-4,4a,5,6,6a,7,8,9,10,11,11a,11b-dodecahydro-1*H*-cyclohepta[*a*]naphthalen-8-ol}

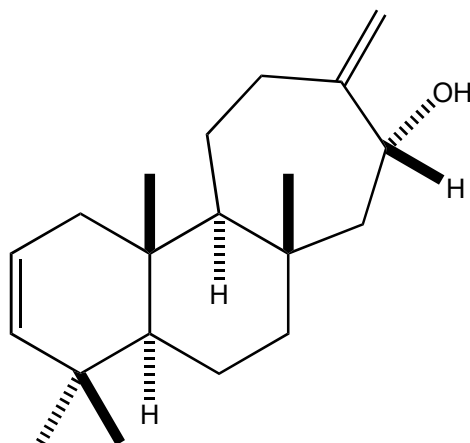
Origin: *Laurencia karlae* (Nansha Islands in the South China Sea, China)⁽¹⁾;

Formula: C₂₀H₃₂O

Mol. Wt.: 288.47

Opt. Rot.: [α]_D²⁰ -52.0 (CHCl₃)

Mp.: 128-129



References and Notes

(1) Su, J.-Y., Zhong, Y.-L., Zeng, L.-M., Wu, H.-M., and Ma, K. 1995. *Phytochemistry*, **40**, 195-197. Terpenoids from *Laurencia karlae*. (IR, ¹H-NMR, ¹³C-NMR, MS) (together with [laukarlaol](#), [aplysistatin](#), [palisadin A](#), [palisadin B](#), [5-acetoxypalisadin B](#), [12-hydroxypalisadin B](#))

(2) **Revision of the configuration of the hydroxyl group**; Justicia, J., Oller-Lopez, J. L., Campana, A. G., Oltra, J. E., Cuerva, J. M., Bunuel, E., and Cardenas, D. J. 2005. *J. Am. Chem. Soc.*, **127**, 14911-14921. 7-endo Radical cyclizations catalyzed by titanocene(III). Straightforward synthesis of terpenoids with seven-membered carbocycles.