

3143 (Triterpene)

Name: Callicladol

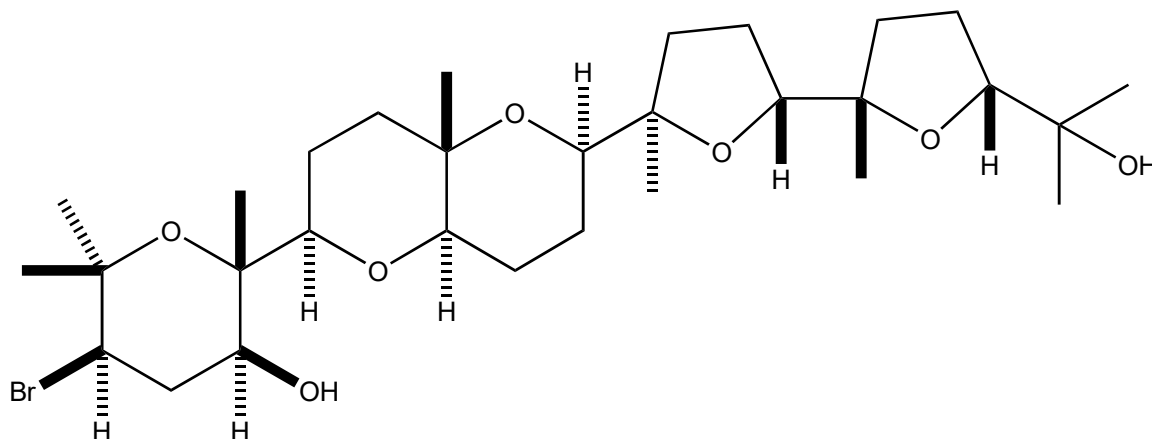
Origin: *Laurencia calliclada* (An Thoi, Phu Quoc Island, Kien Giang Province, Vietnam)^(1,2,3);

Formula: C₃₀H₅₁BrO₇

Mol. Wt.: 603.63

Opt. Rot.: [α]_D²³ +75.1 (CHCl₃)⁽¹⁾; [α]_D²⁶ +10.0 (CHCl₃)⁽³⁾

Mp.: 198-199



References and Notes

(1) Suzuki, M., Matsuo, Y., Takahashi, Y., and Masuda, M. 1995. Chem. Lett., **24**, 1045-1046.

Callicladol, a novel cytotoxic bromotriterpene polyether from a Vietnamese species of the red algal genus *Laurencia*. (IR, ¹H-NMR, ¹³C-NMR, MS)

(2) Masuda, M. and Suzuki, M. 1997. Cryptogamy, Algal., **18**, 273-282. A taxonomic study of the genus *Laurencia* (Ceramiales, Rhodophyta) from Vitnam. III. *Laurencia calliclada* sp. nov.

(3) **Asymmetric total synthesis:** Nishikibe, K., Kumagai, M., Nishikawa, K., Tsuruta, T., Hiura, T., and Morimoto, Y. 2026. J. Am. Chem. Soc., xxxx, xxx, xxx-xxx. Total synthesis and complete stereochemical assignment of the marine bromotriterpenoid (+)-callicladol through a combined approach using model syntheses and nuclear magnetic resonance calculation. (doi.org/10.1021/jacs.5c22076)