

1532 Sesquiterpene)

Name: Isolauraldehyde {}

Origin: *Laurencia obtusa* (the Saudi Arabia Red Sea Coast, Jeddah, Saudi Arabia)⁽¹⁾;

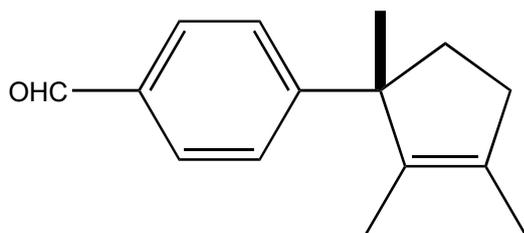
Laurencia majuscula (the coral reef of Hurghada in the Red Sea, Egypt)⁽²⁾;

Formula: C₁₅H₁₈O

Mol. Wt.: 214.30

Opt. Rot.: [α]_D +37.0 (CHCl₃)⁽¹⁾

Mp: Colorless oil



References and Notes

(1) Alarif, W. M., Al-Lihaibi, S. S., Ayyad, S.-E. N., Abdel-Rhman, M. H., and Badria, F. A. 2012. Eur. J. Med Chem., **55**, 452-456. Laurene-type sesquiterpenes from the red alga *Laurencia obtusa* as potential antitumor-antimicrobial agents. (UV, IR, ¹H-NMR, ¹³C-NMR, MS)

(together with 12-hydroxyisolaurene, 8,11-dihydro-12-hydroxyisolaurene, [isolauraldehyde](#), 2,10-dibromo-3-chlorochamigr-7-ene, cholest-4-en-3-one)

(2) Tammam, M. A., Daskalaki, M. G., Tsoureas, N., Kolliniati, O., Mahdy, A., Kampranis, S. C., Tsatsanis, C., Roussis, V., and Ioannou, E. 2023. Mar. Drugs, **21**, (2) 79. Secondary metabolites with anti-inflammatory activity from *Laurencia majuscula* collected in the Red Sea.

(together with maneonenes F~H, *cis*-maneone D, 9-acetoxy-6-bromo-7,10-epoxypentadec-3-en-1-yne, isolaurene, 4-oxoisolaurene, 15-bromoisolaurene, [isolauraldehyde](#), 2,3-epoxy-15-hydroxydihydroisolaurene, 2,3-epoxydihydroisolaurene, laur-2-ene-3,12-diol, cuparene-3,12-diol, 2,3-dioxo-15-hydroxy-*seco*-laurene, β-snyderol, 2,10-dibromo-3-chloro-α-chamigrene, laurecomin C, compositacin A, laurokamin A, aristol-9-en-1α-ol, kahukene B, (2Z)-2-chloro-pentadec-2-enal)