

1534 Sesquiterpene)

Name: 4-Oxoisolaurene { }

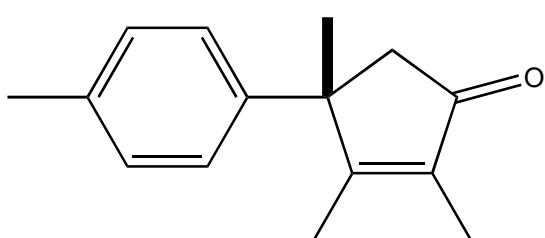
Origin: *Laurencia majuscula* (the coral reef of Hurghada in the Red Sea, Egypt)⁽¹⁾;

Formula: C₁₅H₁₈O

Mol. Wt.: 214.30

Opt. Rot.: [α]_D²⁰ +9.09 (CHCl₃)

Mp: Colorless oil



References and Notes

(1) 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.

(UV, IR, ¹H-NMR, ¹³C-NMR)

(together with maneonenes F~H, *cis*-maneonene 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)