

4707 (C15 acetogenin)

Name: Kumausallene

{2-(1-Bromo-hex-3-enyl)-5-(3-bromo-propa-1,2-dienyl)-
hexahydro-furo[3,2-*b*]furan}

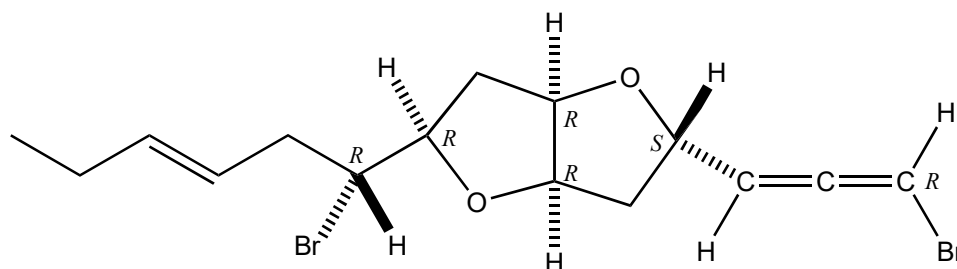
Origin: *Laurencia nipponica* (Kumausu, Otaru, Hokkaido, Japan)⁽¹⁾;

Formula: C₁₅H₂₀Br₂O₂

Mol. Wt.: 392.13

Opt. Rot.: [α]_D²⁰ -150 (CHCl₃)

Mp.: 52-54



References and Notes

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(IR, ¹H-NMR, ¹³C-NMR, MS)

(2) **Total synthesis**; (a) Evans, P. A., Murthy, V. S., Roseman, J. D., and Rheingold, A. L. 1999.

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sesquiterpene (-)-kumausallene.; (b) Das, S. and Ramara, C. V. 2015. Tetrahedron, **71**, 8577-8584.

A formal total synthesis of (-)-kumausallene.; (c) Kobayashi, S., Yokoi, T., Inoue, T., Hori, Y., Saka, T.,

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possible stereoisomer of laurenidificin and a formal total synthesis of (+)-aplysiallene featuring a

stereospecific ring contraction.; (d) Fernandes, R. A., Kumar, A., and Pathare, R. S. 2022. Chem.

Commun., **58**, 11921-11924. Asymmetric total synthesis of (+)-dihydroitomanallene B and formal

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