

7214 (Miscellaneous)

Name: (1'*R*,2*S*,2''*E*,5*R*,6*R*)-2-(1'-Bromoethyl)-2,5-dimethyl-6-(penta-2'',4''-dienyl)tetrahydropyran
{2-(1-Bromo-ethyl)-2,5-dimethyl-6-penta-2,4-dienyl-tetrahydro-pyran}

Origin: *Laurencia mariannensis* (Hainan and Weizhou Islands, China)⁽¹⁾;

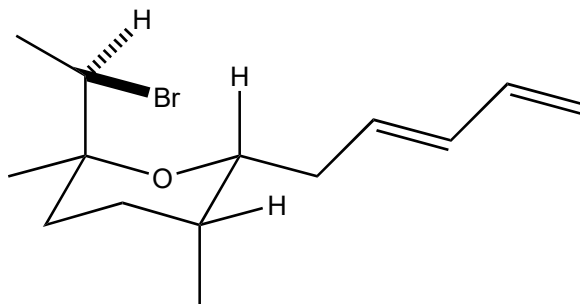
Haliclona sp. (Cosy Corner on the South-West Coast of Western Australia, Australia)⁽²⁾;

Formula: C₁₄H₂₃BrO

Mol. Wt.: 287.24

Opt. Rot.: [α]_D +27.3 (CHCl₃)⁽²⁾;

Mp.: Oil⁽²⁾;



References and Notes

(1) Ji, N.-Y., Li, X.-M., Li, K., Ding, L.-P., Gloer, J. B., and Wang, B.-G. 2007. *J. Nat. Prod.*, **70**, 1901-1905. Diterpeens, sesquiterpenes, and a C₁₅-acetogenin from the marine red alga *Laurencia mariannensis*. (together with 10-hydroxykahukuene, 9-deoxyelatol, isodactyloxene A, laurenmariallene, elatol derivative, isorhodolaureol derivative, 10 known compounds; elatol, deschloroelatol, (+)-(10*S*)-bromo-**b**-chamigrene, nidificene, obtusane, (-)-(10*R*)-bromo-**a**-chamigrene, isoafrikanol, 2-(1'-bromoethyl)-2,5-dimethyl-6-(penta-2'',4''-dienyl)tetrahydropyran, irieol, pinnaterpene C)

(2) **From the marine sponge**; Capon, R., Ghisalberti, E. L., and Jefferies, P. R. 1982. *Tetrahedron*, **38**, 1699-1703. New tetrahydropyrans from a marine sponge. (UV, IR, ¹H-NMR, ¹³C-NMR, MS)