

1224 (Sesquiterpene)

Name: Pacifenediol

{3,8-Dibromo-4-chloro-4,12,12-trimethyl-11-methylene-7-oxa-
tricyclo[6.3.1.0^{1,6}]dodecane-9,10-diol}

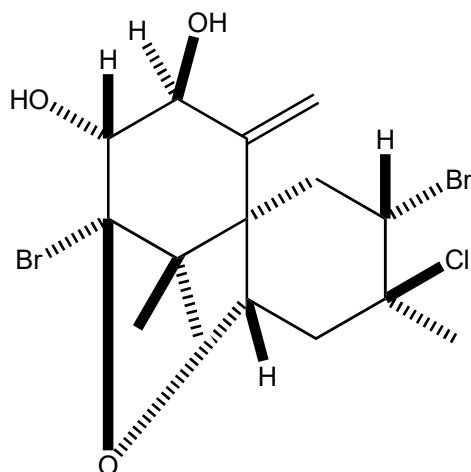
Origin: *Laurencia composita* (the coasts of Nanji Island, Zhejiang Province, China)⁽¹⁾;
Aplysia californica (Sunset Cliffs, San Diego, California, USA)⁽²⁾;

Formula: C₁₅H₂₁Br₂ClO₃

Mol. Wt.: 444.59

Opt. Rot.:

Mp.: 172-173



References and Notes

(1) Ji, N.-Y., Li, X.-M., and Wang, B.-G. 2010. *Helv. Chim. Acta*, **93**, 2281-2286. Sesquiterpenes and other metabolites from the marine red alga *Laurencia composita* (Rhodomelaceae).

(together with several sesquiterpenes, etcetera)

(2) **From the sea hare**; Irland, C, Stallard, M. O., Faulkner, D. J., Finer, J., and Clardy, J. 1976. *J. Org. Chem.*, **41**, 2461-2465. Some chemical constituents of the digestive gland of the sea hare *Aplysia californica*. (¹H-NMR) (**Conversion from prepacifenol epoxide and johnstonol**)

(3) **Conversion from johnstonol**; Sims, J. J., Fenical, W., Wing, R. M., and Radlick, P. 1972.

Tetrahedron Lett., **13**, 195-198. Marine natural products III. Johnstonol, an unusual halogenated epoxide from the red alga *Laurencia johnstonii*.