

2702 (Diterpene)

Name: Luzodiol

{4-Bromo-2-(3-hydroxy-3-methyl-pent-4-enyl)-
1,3-dimethyl-3-(4-methyl-pent-3-enyl)-cyclohexanol}

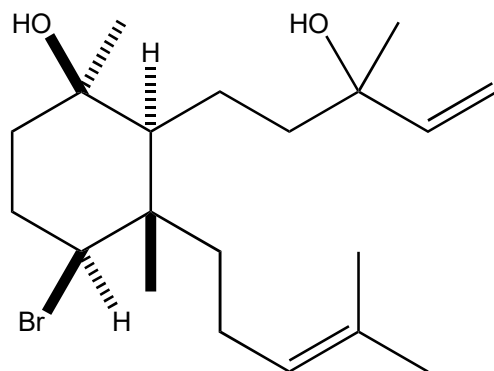
Origin: *Laurencia snackeyi* (as *L. luzonensis*)⁽²⁾ (Kudakajima Island, Nanjo, Okinawa Pref., Japan)⁽¹⁾;
Aplysia depilans (Skylos Island, North Sporades complex of the Aegean Sea, Greece)⁽³⁾;

Formula: C₂₀H₃₅BrO₂

Mol. Wt.: 387.39

Opt. Rot.: $[\alpha]_D^{23} +13.7$ (CHCl₃)⁽¹⁾; $[\alpha]_D^{20} +11.6$ (CHCl₃)⁽³⁾;

Mp.: Amorphous solid



References and Notes

(1) Kuniyoshi, M., Wahome, P. G., Miono, T., Hashimoto, T., Yokoyama, M., Shrestha, K. L., and Higa, T. 2005. *J. Nat. Prod.*, **68**, 1314-1317. Terpenoids from *Laurencia luzonensis*. (**IR**, **¹H-NMR**, **¹³C-NMR**, **MS**) (together with **luzodiol**, luzonenone, luzofuran, 15-hydroxypalisadin A, 3,4-epoxypalisadin B, 1,2-dehydro-3,4-epoxypalisadin B)

(2) Ishii, T., Hisada, W., Abe, T., Kikuchi, N., and Suzuki, M. 2020. *Rec. Nat. Prod.*, **14**, 150-153. (published online: 26 August 2019). A new record of the marine red alga *Laurencia snackeyi* from Japan and its chemotaxonomic significance.

(3) **From the sea hare**; Petraki, A., Ioannou, E., Papazafiri, P., and Roussis, V. 2015. *J. Nat. Prod.*, **78**, 462-467. Dactylomelane diterpenes from the sea hare *Aplysia depilans*. (together with nine dactylomelane diterpenes)