

3129 (Triterpene)

Name: Saiyacenol B {2-{5'-[6-(5-Bromo-2,6,6-trimethyl-tetrahydro-pyran-2-yl)-8a-methyl-octahydro-pyrano[3,2-b]pyran-2-yl]-2,5'-dimethyl-octahydro-[2,2']bifuranyl-5-yl}-propan-2-ol}

Origin: *Laurencia viridis* (Callao Salvaje coast, Adeje, Tenerife, Canary Islands, Spain)⁽¹⁾;

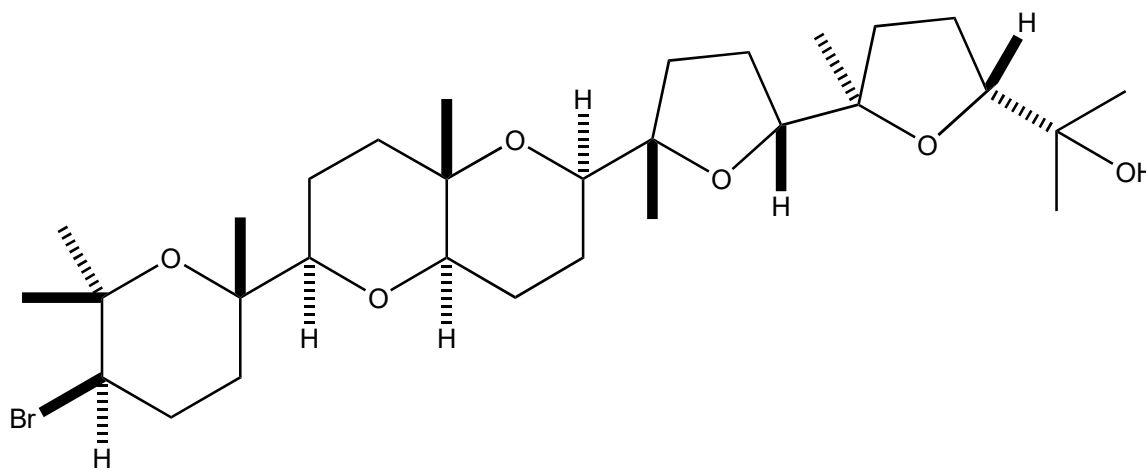
Laurencia alfredensis (Three Sisters, north of Port Alfred in the Eastern Cape Province, the Republic of South Africa)⁽²⁾;

Formula: C₃₀H₅₁BrO₆

Mol. Wt.: 587.63

Opt. Rot.: [α]_D²⁵ +4.22 (CHCl₃)

Mp.: Amorphous solid



References and Notes

(1) Cen-Pacheco, F., Mollinedo, F., Villa-Pulgarin, J. A., Norte, M., Fernandez, J. J., and Daranas, A. H. 2012. *Tetrahedron*, **68**, 7275-7279. Saiyacenols A and B: the key to solve the controversy about the configuration of aplysiols. (IR, ¹H-NMR, ¹³C-NMR, MS) (together with saiyacenol A, [saiyacenol B](#))

(2) Dziwornu, G. A., Cairra, M. R., de la Mare, J.-A., Edkins, A. L., Bolton, J. J., Beukes, D. R., and Sunasse, S. N. 2017. *Molecules*, **22**, 513. Isolation, characterization and antiproliferative activity of new metabolites from the South African endemic red algal species *Laurencia alfredensis*.

(¹H-NMR, ¹³C-NMR) (together with 3 new labdane diterpenes, 4 new triterpenes, 3 new ecdysteroids, 1 known glycerol derivative)