

6101 (Sterol)

Name: Acetylpinnasterol

Origin: *Laurencia pinnata* (Motsuta point, Hokkaido, Japan)⁽¹⁾;

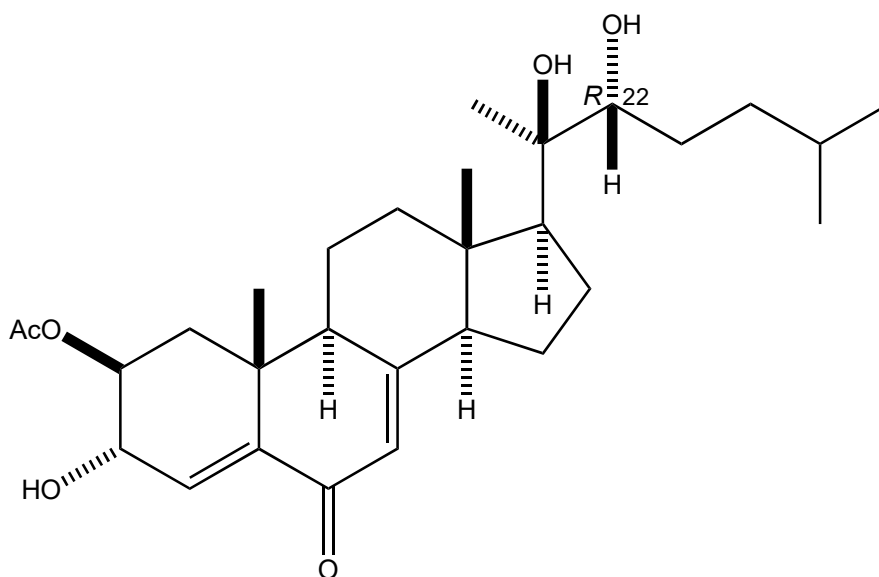
Laurencia pinnata (Onahama, Fukushima Prefecture, Japan)⁽²⁾;

Formula: C₂₉H₄₄O₆

Mol. Wt.: 488.66

Opt. Rot.: [α]_D +64 (MeOH)

Mp.: 105-107



References and Notes

(1) Fukuzawa, A., Kumagai, Y., Masamune, T., Furusaki, A., Katayama, C., and Matsumoto, T. 1981. *Tetrahedron Lett.*, **22**, 4085-4086. Acetylpinnasterol and pinnasterol, ecdysone-like metabolites, from the marine red alga *Laurencia pinnata* Yamada. (X-ray crystallographic analysis) (¹H-NMR) (together with [acetylpinnasterol](#) and pinnasterol)

(2) **Revision of stereochemistry at C-22 (22R)**; Fukuzawa, A., Miyamoto, M., Kumagai, Y., and Masamune, T. 1986. *Phytochemistry*, **25**, 1305-1307. Ecdysone-like metabolites, 14α-hydroxypinnasterols, from the red alga *Laurencia pinnata*. (together with 4 new ecdysone-like steroids, [acetylpinnasterol](#) and pinnasterol)