

## 3201 (Triterpene)

Name: Enshuol

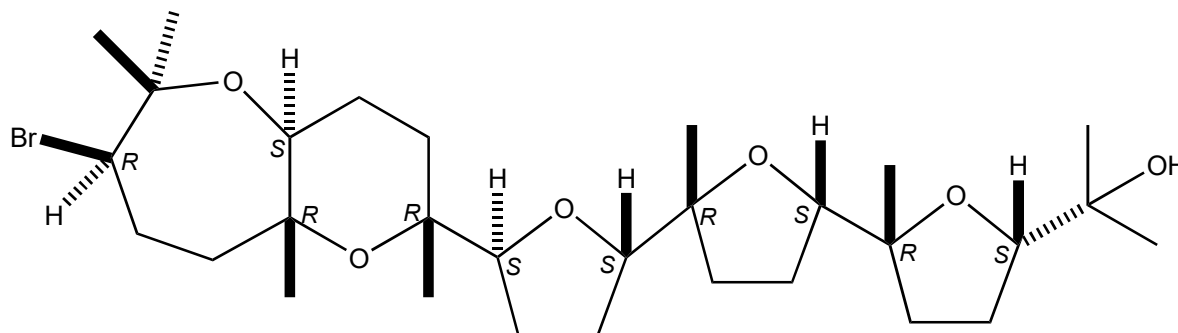
Origin: *Laurencia omaezakiana* (Omaezaki, Shizuoka Prefecture, Japan)<sup>(1,2)</sup>;  
*Laurencia omaezakiana* (Shirahama, Wakayama Prefecture, Japan)<sup>(3)</sup>;

Formula: C<sub>30</sub>H<sub>51</sub>BrO<sub>6</sub>

Mol. Wt.: 587.63

Opt. Rot.: [α]<sub>D</sub><sup>22</sup> +22.7 (CHCl<sub>3</sub>)

Mp.: Oil



### References and Notes

- (1) Matsuo, Y., Suzuki, M., and Masuda, M. 1995. Chem. Lett., **24**, 1043-1044. Enshuol, a novel squalene-derived pentacyclic triterpene alcohol from a new species of the red algal genus *Laurencia*. (IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, MS)
- (2) Matsuo, Y., Suzuki, M., Masuda, M., Iwai, T., and Morimoto, Y. 2008. Helv. Chim. Acta, **91**, 1264-1266. Squalene-derived triterpene polyethers from the red alga *Laurencia omaezakiana*. (together with omaezakianol, 15,16-anhydrothrsiferol)
- (3) Miwa, T., Tsuruta, T., Nozue, C., Nakagawa, R., Fukuda, R., Nishikawa, K., Morimoto, Y., Kumagai, M., Nakamura, R., Hamada, T., Yamagishi, Y., and Kamada, T. 2025. Tetrahedron, **181**, 134686. Enshuol epoxide, an unusual squalene-derived bromotriterpene from *Laurencia omaezakiana* and its biological evaluation. (together with enshuol epoxide, [enshuol](#), 15,16-anhydrothrsiferol, *cis*-chondrin)
- (4) **Total synthesis**; (a) Morimoto, Y., Yata, H., and Nishikawa, Y. 2007. Angew. Chem. Int. Ed., **46**, 6481-6487. Assignment of the absolute configuration of the marine pentacyclic polyether (+)-enshuol by total synthesis.; (b) Morimoto, Y. 2008. Org. Biomol. Chem., **6**, 1709-1719. The role of chemical synthesis in structure elucidation of oxasqualenoids.