

### 3203 (Triterpene)

Name: Armatol A

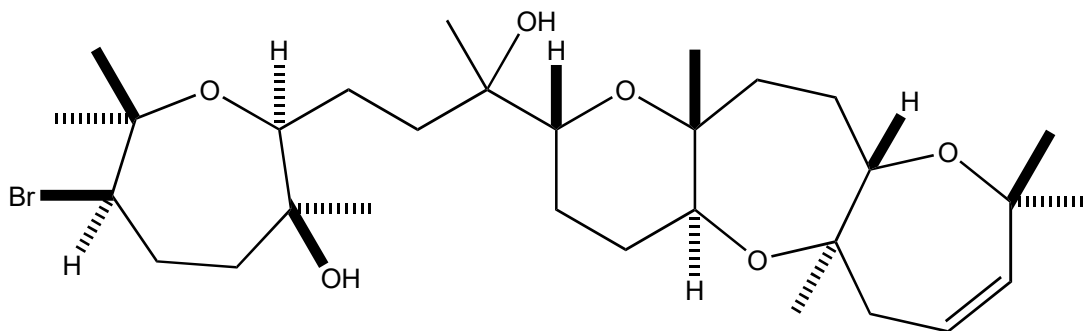
Origin: *Chondria armata* (Indian coasts of Goa, off Anjuna, India)<sup>(1)</sup>;

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

Mol. Wt.: 587.63

Opt. Rot.: [α]<sub>D</sub> +43.4 (CHCl<sub>3</sub>)

Mp.: Oil



#### References and Notes

(1) Ciavatta, M. L., Wahidulla, S., D'Souza, L., Scognamiglio, G., and Cimino, G. 2001. *Tetrahedron*, **57**, 617-623. New bromotriterpene polyethers from the Indian alga *Chondria armata*.

(IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR) (together with several armatols)

(2) **Total synthesis**; Underwood, B. S., Tanuwidjaja, J., Ng, S.-S., and Jamison, T. F. 2013.

*Tetrahedron*, **69**, 5205-5220. Total synthesis of the squalene-derived halogenated polyethers *ent*-dioxepandehydrothysiferol and armatol A via a bromonium- and Lewis acid-initiated epoxide-opening cascades.