

Contents of 1,4-Benzoxazin-3-ones and 2-Benzoxazolinone from *Stenandrium dulce* (Nees)

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Z. Naturforsch. **59c**, 177–180 (2004); received April 9/June 2, 2003

Secondary metabolites, DIBOA, HBOA, 7-OH-HBOA and BOA, were isolated and quantified from *S. dulce* (Nees), a native species in Chile belonging to the Acanthaceae family. The highest DIBOA and HBOA contents were determined in leaves (9.25 mmol kg⁻¹ fr. wt) and root (6.81 mmol kg⁻¹ fr. wt), respectively. Aglycones, 7-OH-HBOA and HBOA, were isolated together from root extracts of Acanthaceae species. Both, HBOA and 7-OH-HBOA should be direct precursors in the biosynthesis of DIBOA and DIMBOA, respectively.

Key words: *Stenandrium dulce* (Nees), Acanthaceae, Hydroxamic Acids