

Insect antifeedant compounds from *Nothofagus dombeyi* and *N. pumilio*

Thoison, Odile

Sévenet, Thierry

Niemeyer, Hermann M.

Russell, Graeme B.

A bioassay-guided purification of the extracts of *Nothofagus dombeyi* and *N. pumilio* leaves yielded several triterpenes and flavonoids including 2-O-acetylmaslinic acid, 3-O-acetyl-20,24,25-trihydroxydammarane, and 3,20,24,25-tetrahydroxydammarane as new natural products. All the isolated compounds were assessed for antifeeding activity against the 5th instar larvae of *Ctenopsteustis obliquana*. 12-Hydroxyoleanolic lactone and pectolarigenin from *N. dombeyi* and dihydrooxylin A from *N. pumilio*, showed significant antifeeding activity. © 2004 Elsevier Ltd. All rights reserved.