A New Acyclic Diterpene Glycoside from *Nicotiana attenuata* with a Mild Deterrent Effect on Feeding *Manduca sexta* Larvae

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To investigate the role of secondary metabolites in the feeding behavior of *Manduca sexta* larvae feeding on *Nicotiana attenuata*, an aqueous acetone extract of the aerial parts of the plant was subjected to feeding-performance bioassay-guided fractionation. We isolated three 20-hydroxygeranyllinalool glycosides from the leaves of *N. attenuata*, which acted as mild deterrents to the feeding herbivore *M. sexta*. One of the diterpenoid glycosides, attenoside (**3**), is a novel natural product. The structures of the compounds were determined using APCI mass spectrometry and 1- and 2D-NMR spectroscopy.

Key words: Hydroxygeranyllinalool Diterpene Glycosides, *Nicotiana attenuata*, *Manduca sexta*, Solanaceae, Lepidoptera