

Four Additional Meroterpenes Produced by *Penicillium* sp Found in Association with *Melia azedarach*. Possible Biosynthetic Intermediates to Austin

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Z. Naturforsch. **2007**, 62b, 1035 – 1044; received December 4, 2006

Four additional meroterpenes were isolated and identified from rice cultures of *Penicillium* sp, a fungus obtained from the root bark of *Melia azedarach*. These new compounds were named preaustinoïd B2 (**1**), preaustinoïd A3 (**2**), austinolide (**3**), and iso-austinone (**4**) in analogy with the formerly described compounds. The structures were identified by extensive spectroscopic studies, including 1 D and 2 D NMR spectroscopy and HRMS. Compounds **1** – **4** are probably biosynthetic intermediates to Austin.

Key words: *Melia azedarach*, *Penicillium*, Endophytic Fungi, Meroterpenes, Meroterpenoids