

A New Phenanthrene Alkaloid, Romucosine I, from *Rollinia mucosa* Baill.

Reen-Yen Kuo, Chung-Yi Chen, An-Shen Lin, Fang-Rong Chang, and Yang-Chang Wu

Graduate Institute of Natural Products, Kaohsiung Medical University, Kaohsiung 807, Taiwan

Reprint requests to Prof. Dr. Y.-C. Wu. Fax: +886-7-3114773. E-mail: yachwu@cc.kmc.edu.tw

Z. Naturforsch. **59b**, 334 – 336 (2004); received June 16, 2003

Bioactivity-directed fractionation led to the isolation of a new *N*-(methoxycarbonyl) phenanthrene alkaloid, romucosine I (**1**), along with three known *N*-(methoxycarbonyl) alkaloids, romucosine C (**2**), tuduranine (**3**), and promucosine (**4**). The structures of these compounds were identified on the basis of spectral data and chemical evidence. A proposed biogenesis about these isolates is also reported in this paper.

Key words: *Rollinia mucosa*, Romucosine I, Tuduranine, Phenanthrene Alkaloid