

# Chemical Composition of the Essential Oils of Two Chinese Endemic *Meconopsis* Species

Changchun Yuan<sup>a</sup>, Peng Nan<sup>b,c</sup>, Suhua Shi<sup>a</sup>, and Yang Zhong<sup>b,\*</sup>

<sup>a</sup> The Key Laboratory of Gene Engineering of Ministry of Education, School of Life Sciences, Zhongshan University, Guangzhou 510275, China

<sup>b</sup> Ministry of Education Key Laboratory for Biodiversity Science and Ecological Engineering, School of Life Sciences, Fudan University, Shanghai 200433, China. Fax: 86-21-65642468. E-mail: yangzhong@fudan.edu.cn

<sup>c</sup> Shanghai Center for Bioinformation Technology, Shanghai 201203, China

\* Author for correspondence and reprint request

Z. Naturforsch. **58c**, 313–315 (2003); received November 27/December 27, 2002

The essential oils from two Chinese endemic *Meconopsis* species, *i. e.*, *M. punicea* and *M. delavayi*, were analyzed by using GC-MS for the first time. The major constituents were hexadecanoic acid (16.8%), 1,2-dimethyl naphthalene (11.4%), 1,4-dimethyl naphthalene (6.6%), 1,3-dimethyl-5-ethyl naphthalene (5.9%), and 3-methyl biphenyl (5.6%) for *M. punicea*, and hexadecanoic acid (9.9%), 1,2-dimethyl naphthalene (7.9%), 1,3-dimethyl-5-ethyl naphthalene (6.2%), tetradecane (5.9%), and hexyl cinnamaldehyde (5.5%) for *M. delavayi*.

*Key words:* *Meconopsis punicea*, *Meconopsis delavayi*, Essential Oil