

The First Humulene Type Sesquiterpene from *Lactarius hirtipes*

Hu Lin and Liu Ji-Kai*

Kunming Institute of Botany, The Chinese Academy of Sciences, Kunming 650204, P. R. China. Fax: +868715150227. E-mail: jkl@public.km.yn.cn

* Author for correspondence and reprint requests

Z. Naturforsch. **57c**, 571–574 (2002); received March 3/May 3, 2002

Lactarius hirtipes, Humulene, 2 β , α -Epoxy-6Z, 9Z-Humuladien-8 α -ol

A new sesquiterpene of humulene type, named 2 β , α -epoxy-6Z, 9Z-humuladien-8 α -ol (**1**) together with a known compound lactarinic acid was isolated from the fruiting bodies of *Lactarius hirtipes*. Their structures were established on the basis of spectral evidence (MS, IR, NMR, HMBC, HMQC, ^1H - ^1H COSY, ROSEY experiments). Compound **1** was found as the first humulene-type sesquiterpene in higher fungi.