

GC-MS Analysis and Anti-Microbial Activity of Acidic Fractions Obtained from *Paeonia peregrina* and *Paeonia tenuifolia* Roots

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Z. Naturforsch. **57c**, 624–628 (2002); received March 13/April 10, 2002

Paeonia peregrina and *tenuifolia*, Phenolic and Aliphatic Acids

Fourteen aromatic and 24 aliphatic acids were determined by GC-MS analysis of acidic fractions obtained from *Paeonia peregrina* and *Paeonia tenuifolia* roots. Benzoic acid and its monohydroxy-, dihydroxy- and trihydroxy-derivatives are the main acid components of both *Paeonia* species. Some fractions could serve as a source of benzoic, 4-hydroxybenzoic, vanillic and gallic acids, as well as of ethyl gallate. The fractions inhibited the growth of *Staphylococcus aureus*, *Escherichia coli* and *Candida albicans*.