## Derivatization Does Not Influence Antimicrobial and Antifungal Activities of Applanoxidic Acids and Sterols from *Ganoderma* spp.

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Applanoxidic acids and sterols, isolated from *Ganoderma* spp., were acetylated and/or methylated. The antibacterial activity against *Escherichia coli* and *Staphylococcus aureus* and the antifungal activity against *Candida albicans* and *Trichophyton mentagrophytes* of the derivatives were investigated by a microdilution method, and compared with those of the natural products. Both natural and modified compounds exhibited comparable antibacterial and antifungal activities in a range of 1.0 to > 2.0 mg/ml minimal inhibitory concentration.

Key words: Applanoxidic Acids, Sterols, Derivatization, Antibacterial and Antifungal Activity