Antimicrobial Activity of New Phorbins from *Jatropha curcas* Linn. (Euphorbiaceae) Leaves

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The crude methanol extract of *Jatropha curcas* leaves exhibited activity against *Staphylococcus aureus*, *Bacillus subtilis*, *Mycobacterium phlei*, *Candida albicans*, and *Trichophyton mentagrophytes* but was inactive against *Escherichia coli*, *Pseudomonas aeruginosa*, and *Saccharomyces cerevisiae*. In a bioassay-directed fractionation, two new phorbins were isolated and analysed by spectroscopic methods. Isolate **1** was characterized as an analogue of pheophytin b with a phytyl moiety containing three double bonds which are at positions P2/P3, P6/P7, and P10/P11. Compound **2** was characterized as methyl pheophorbide a with 13²-OH and 17- and 17¹-CH₃ moieties. It is active against *Serratia marcescens*.

Key words: Pheophytin b Analogue, Methyl Pheophorbide a Analogue, Serratia marcescens