Studies on the Constituents of *Commiphora mukul*

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Studies on *ommiphora mukul* (Hook, ex stock) Engl. have led to the isolation of a new lignan (+)-commiphorin (1), a new fatty acid ester, (+)-commiphotetrol (2) along with (–)-hydroxyisohopane (3) [1], which is the first report of this compound from *Commiphora mukul* of Pakistan origin, Z and E-guggulsterones, cholesterol and guggulsterol-II (4). Of these complete \(^1\)H and \(^{13}\)C NMR data of guggulsterol-II (4) is assigned for the first time [2]. The structures of the compounds were elucidated with the help of extensive spectroscopic studies [3, 4]. Compound 1 have shown antibacterial activity against a number of bacteria. *Amoxicillin* (H\(_2\)O)\(_3\), *Ampicilin* and *Cefuroxime* were used as positive control (Table 2).

**Key words:** *Commiphora mukul*, Fatty Acid Ester, Antibacterial Activity, Lignan