

Title of Article : AntiMtb activity of triterpenoid-rich fractions from *Spondias mombin* L.

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Abstract: *Spondias mombin* L. used in traditional medicine because of its antimicrobial properties was found to contain cardiac glycosides, flavonoids, tannins, and anthraquinones in the stem bark. Bioassay directed fractionation of the methanol extract of *S. mombin* was carried out with VLC and HPLC. Isolates were evaluated for antimtb activity which led to the isolation of a series of potential molecules. A semi pure triterpenoid that demonstrated potency of 92.8% inhibition against *Mycobacterium tuberculosis* (Mtb) at a concentration of 64 g/ml was further purified by HPLC.

Key words: *Spondias mombin*, *Mycobacterium tuberculosis*, triterpenoids.