

Supplementary Material

Table S1. Mobile phase, reagents and standards used to phytochemical characterization of *Justicia pectoralis* crude extracts.

Metabolites Class	Mobile Phase	Reagents	Standards
Hydrolysable tannins	90:5:5	NEU + PEG	Gallic Acid and Ellagic Acid
Flavonoids	90:5:5	NEU + PEG	Quercetin and Rutin
Cinnamic derivatives	90:5:5	NEU + PEG	Caffeic Acid and Chlorogenic Acid
Condensed tannins	90:5:5	Vanilin chloride	Catechin
Coumarin	50:50:50	KOH + Δ	Coumarin
Terpenes and Steroids	70:30	Lieberman-Burchard + Δ	β -Sitosterol

Systems: 90:5:5 – ethyl acetate : formic acid : water; 50:50:50 - ethyl ether: ethyl acetate: acetic acid 10% (saturation); 70:30 – Toluene: ethyl acetate; KOH: Potassium hydroxide; Δ – heating. NEU: 2-Aminoethyl diphenyl borate; PEG: polyethylenoglicol.