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Bio-active compounds analysis and characterization in Ethanolic plant extracts of *Justicia tranquebariensis* L. (Acanthaceae) – using GC-MS

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Abstract : Phytocompounds in Ethanolic extract of *Justicia tranquebariensis* was elucidated using Gas chromatography – Mass spectrometry method. Fifteen compounds were identified. The major constituents are Hexadecane, Dibutyl phthalate, Dotriacontane and Hexadecanoic acid, and ethyl ester. From this study it is obvious that *Justicia tranquebariensis* plant extracts contains many biologically active compounds, such as Antimicrobial activity, antioxidant, antiviral and Cytotoxic activity.

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