

Chemical Structures and Biological Activities of Phytochemical from *Uvaria cherrevensis* (Annonaceae) and *Lagerstroemia macrocarpa* (Lythraceae)

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Abstract:

The phytochemical investigation and biological activity of the extracts from *Uvaria cherrevensis* and *Lagerstroemia macrocarpa* led to the isolation of 41 compounds including 19 new (**F1-F4**, **L1-L12** and **L19-L21**) and 22 known compounds by using chromatographic techniques. The structures of isolated compounds were characterized by spectroscopic techniques especially 1D and 2D NMR. Some of these compounds exhibited antimalarial activity and cytotoxicity against oral cancer cell line.

Graphical abstract

