

**ISOLATION OF CHEMICAL CONSTITUENTS FROM
METHANOL EXTRACT IN STEM BARK OF**

Pithecellobium jiringa

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ABSTRACT

ISOLATION OF CHEMICAL CONSTITUENTS FROM METHANOL EXTRACT IN STEM BARK OF *Pithecellobium jiringa*

This study is designed to isolate and identify chemical constituents from the methanol extract in stem barks of *Pithecellobium jiringa*. The chemical constituents from methanol extract were isolated and purified by using liquid-liquid extraction, silica gel in column chromatography and were analysed by using GC-MS and FT-IR techniques. The structures of the chemical constituents were identified on the basis of spectral data on GC-MS, and FT-IR. n-Hexadecanoic acid, Hexadecanoic acid (ethyl ester), 1,2,4-Trioxolane-2 octanoic acid, 5-octyl-(methyl ester), Eicosane and two of Hexadecanoic acid (methyl ester) constituents at different peaks were isolated from methanol extracts of stem barks of *Pithecellobium jiringa*. The results suggested that the current studies on *Pithecellobium jiringa* is still far from being well known and therefore more studies need to be done for better understanding of this plant.

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