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Chemical Investigation of Aerial Parts of Gmelina asiatica Linn by GC-MS

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ABSTRACT
This study was carried out to analyze the active constituents present in aerial parts of Gmelina asiatica Linn. (Verbenaceae). Twenty-two compounds in chloroform extract and 12 compounds in ethanolic extract were identified by Gas Chromatography - Mass Spectrometry (GC-MS) analysis. 1, 2-Benzenedicarboxylic acid, diisooctyl ester (31.22 %) was the prevailing compound in chloroform extract and Monolinoleoylglycerol trimethylsilyl ether (38.51%) was the major constituent of ethanolic extract. This is the first report of identification of active constituents from aerial parts of Gmelina asiatica by GC-MS.

KEYWORDS
Gmelina asiatica (Verbenaceae) . GC-MS . 1,2-Benzenedicarboxylic acid diisooctyl ester . Monolinoleoylglycerol trimethylsilyl ether

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