Antioxidant and Cytotoxic Flavonols from *Calotropis procera*

Mona A. Mohamed\textsuperscript{a,*}, Manal M. Hameda, Wafaa S. Ahmed\textsuperscript{b}, and Allia M. Abdou\textsuperscript{a}

\textsuperscript{a} Medicinal Chemistry Department, Theodor Bilharz Research Institute (TBRI),
P. O. B. 12411, Giza, Egypt. Fax: +20233388801. E-mail: tbi20042003@yahoo.co.uk

\textsuperscript{b} Faculty of Science and Human Studies, Shaqra University, Kingdom of Saudi Arabia

* Author for correspondence and reprint requests

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Phytochemical investigations of *Calotropis procera* leaves have led to the isolation of two new compounds: quercetagetin-6-methyl ether 3-\(\beta\-\text{D-4C}_1\)-galacturonopyranoside (3) and (E)-3-(4-methoxyphenyl-2-\(\beta\-\text{D-4C}_1\)-glucopyranoside)-methyl propenoate (4), along with eleven known metabolites: nine flavonol and two cinnamic acid derivatives. All metabolites were isolated for the first time from the genus *Calotropis*, except for 1 isolated previously from *Calotropis gigantea*. The structures were determined by spectroscopic methods (UV, ESI-MS, \(^1\text{H}, ^{13}\text{C}\) NMR, \(^1\text{H}-^{1}\text{H}\) COSY, HSQC, and HMBC). The radical scavenging activity of the aqueous methanol extract and compounds 8–13 was measured by the 1,1-diphenyl-2-picrylhydrazyl (DPPH) method. Cytotoxic screening of the same compounds was carried out on brine shrimps as well.

**Key words:** *Calotropis procera*, Flavonols, Antioxidant