

# Biological Activity of a Phloroglucinol Glucoside Derivative from *Conyza aegyptiaca*

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The phloroglucinol glucoside derivative [2,4-dihydroxy-6-( -D-glucopyranosyloxy)phenyl]-butan-1-one (**1**), roseoside (**2**), and kaempferol-3-*O*- -D-glucopyranoside (**3**) were isolated from the aerial parts of *Conyza aegyptiaca* (L.). To the best of our knowledge, this is the first isolation of compounds **1–3** from *C. aegyptiaca*. Their structures were determined by spectroscopic techniques including, IR, HR-EIMS, and extensive 500 MHz 1D- and 2D-NMR analyses (<sup>1</sup>H, <sup>13</sup>C NMR, DEPT, <sup>1</sup>H-<sup>1</sup>H COSY, HMQC and HMBC experiments). The antioxidant activity of **1**, using the DPPH assay, was investigated; in addition, **1** was investigated against different types of cell lines, including Hep-G2, HCT-116, and RAW 264.7 for its cytotoxic effects. Also, this is the first report on the activity of **1**.

*Key words:* *Conyza aegyptiaca*, Asteraceae, Phloroglucinol Glucoside, Antioxidant