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## Bioguided fractionation and isolation of natural anti-ulcerogenic compounds and anti-*Helicobacter pylori* from *Convolvulus austroaegyptiacus*

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**B** ioguided fractionation for the total alcohol extracts of *Convolvulus austroaegyptiacus* were evaluated for its anti-ulcerogenic activity using an absolute ethanol-induced ulcer model at doses of 500 and 1000 mg/kg. Two main compounds (coumarin and coumarin glycosides) were isolated from the butanol extract of the plant and identified as scopoletin (A1) and scopolin (A2). Their structures were identified by <sup>1</sup>H and <sup>13</sup>C NMR. The isolated compounds (50 mg/kg) showed a very promising antiulcerogenic activity with percent protection of control ulcer by; 16.7 and 90.8%, respectively and thought to be responsible for the plant anti-ulcerogenic activity. The cytoprotective mechanism and the anti-*H. pylori* activity may explain the potent antiulcerogenic activity of the total alcohol extract and the isolated coumarins. The acute toxicity study of the extract showed that the extract was highly safe as the LD50 was more than 4000 mg/kg, and these results were well supported by the sub-chronic toxicity, as the extract administrated to rats for 15 consecutive days at dose 1000 mg/kg showed no alteration in the liver and kidney functions.

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