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Tabernines A-C, beta-carbolines from the leaves of *Tabernaemontana elegans*.

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Author information

Abstract
Three novel beta-carboline indole alkaloids (1-3) have been isolated from a MeOH extract of the leaves of *Tabernaemontana elegans*. The structures were established by means of spectroscopic techniques including 2D NMR experiments. Compounds 1 and 2 contain a two-carbon unit, attached to a structurally related beta-carboline skeleton, as part of an additional six-membered ring in 1 and a seven-membered ring in 2. To the best of our knowledge, this is the first report of beta-carboline indole alkaloids from the genus *Tabernaemontana*. Compounds 1-3 were evaluated for their ability to modulate multidrug resistance in mouse lymphoma cell lines. Compounds 1 and 3 exhibited a weak activity.

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