

OR-87**Bioactive Compounds from *Rauvolfia Reflexa* (Apocynaceae)**

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The chemistry of the *Rauvolfia* species has been comprehensively investigated for the presence of different types of compounds like alkaloids, ferulic acid ester derivatives, terpenoids and their biological activities over a long period of time. For examples the clinical uses of *Rauvolfia* in arterial hypertension has been described in 1955 and the root and bark of *Rauvolfia yunnanensis* has been used for the remedy of snake bites, feverish illnesses and insanity in China and India. In this study, bioactive compounds have been isolated from *Rauvolfia reflexa* (Apocynaceae). Twelve compounds were isolated from the bark and leaves of *Rauvolfia reflexa*, and the structural elucidation of the isolated compounds has been performed using spectral method such as UV, IR, MS, 1D and 2D NMR. The Anti-Alzheimer and Antioxidant activities studies were also carried out on the crude extracts and pure compounds.

Keywords: *Rauvolfia*, Apocynaceae, 1D and 2D NMR, Anti-Alzheimer activity, DPPH activity.
