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Background: *Ruta montana* (*R. montana*) is a medicinal plant with a long history of traditional use in treating ailments.

Objective: The present work aims to study the phytochemical composition and to evaluate the biological activities of *R. montana* L. (Rutacea) extracts.

Methods: Bioactive compounds were obtained using solid-liquid extraction using solvents of increasing polarity. The obtained extracts were qualitatively analyzed by liquid chromatography coupled with mass spectrometry (LC-MS). The pharmacological properties of *R.*