

عنوان مقاله:

Isolation and structure elucidation of coumarin and cinamate derivatives from *Lycium ruthenicum*

محل انتشار:

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خلاصه مقاله:

Lycium species is a popular medicinal plant in the traditional Chinese medicine and *Lycium ruthenicum* is a native medicinal plant of Iran. *Lycium* genus has several biologically important properties too. Investigation of chemical composition of ethyl acetate extract of this plant is the goal of this study. Two coumarins (Scopoletin and Esculetin) and Methyl-2-hydroxy-4-undecanoxy-trans-cinamate were isolated and characterized as the major constituents using ¹H NMR, ¹³C NMR and FT-IR spectroscopic data, MS spectrometry, elemental analysis and by comparison with the literature values. Phytochemical investigation of *Lycium ruthenicum* demonstrated the presence of important biologically active compounds. This is the first phytochemical study of this species in Iran.

کلمات کلیدی:

Lycium ruthenicum, traditional medicine, phytochemistry, coumarine, Scopoletin, Esculetin

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