

عنوان مقاله:

Chemical composition of hydrodistillation essential oil of fruits and aerial parts of *Juniperus sabina* L. from Hezar-Jarib in Mazandaran province

محل انتشار:

مجله گیاهان دارویی، دوره 1، شماره 2 (سال: 1393)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

Juniperus sabina L. is normally low shrub with procumbent or obliquely ascending branches, or rarely a small tree to about 4 m, monoecious or dioecious. *Juniperus sabina* L. is a medicinal plant used in folk medicine as an abortive. Its lignanes have antineoplastic and antiviral activity, and also essential oil of *Juniperus sabina* L. has shown antibacterial and antifungal activity. The aim of this research is to extract and measure the chemical compounds of essential oils of fruits and aerial parts of the plant *Juniperus sabina* L. which are collected from the North Highlands located in the Mazandaran province. In this study, the components of *Juniperus sabina* L. (fruits and aerial parts), after extraction essential oils by Clevenger apparatus, their compounds were analysed and identified by GC/MS. Essential oils from fruits of the *Juniperus sabina* L., were shown 27 compounds that the Sabinene in 50.31% maximum, and α -Thujene with 0.32% were the lowest amounts in the oils. While the essential oils from aerial parts of *Juniperus sabina* L. 40 compounds were identified, that Sabinene by 36.59% was the highest amount and α -Thujene by 0.11% has at the lowest percentage. DOR: <https://dorl.net/dor/۲۰.۱۰۰۱.۱.۲۳۸۳۳۰۱۷.۲۰۱۴.۱.۲.۸.۹>

کلمات کلیدی:

Maymrz, Terpenoids, Sabinene and Mazandaran

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