

## عنوان مقاله:

Chemical compositions of two different Thymus species essential oils

## محل انتشار:

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## خلاصه مقاله:

Thymus is one of the most important members of Lamiaceae family. Aerial parts of the plant have been widely used in medicine. It has been reported that most of these effects are related to phenolic compounds especially thymol and carvacrol in Thymus essential oil. In this study, aerial parts of Thymus daenensis and Thymus lancifolius were collected from Kohgiluyeh and Boyer-Ahmad, Iran. Essential oils of aerial parts of these plants were gained by the hydrodistillation method and the chemical compositions were analyzed by gas chromatography/ Mass spectrometry (GC/MS). The major components of the essential oil of T. daenensis were thymol (39.91%), carvacrol (29.93%), linalool (5.55%), caryophyllene (3.5%) and geraniol (3.09%), whereas the major components of the essential oil of T. lancifolius were: carvacrol (25.55%), thymol (20.79%), linalool (16.8%),  $\alpha$ -terpineol (6.34%), borneol (4.00%), caryophyllene (3.98%), p-cymene (3.38%) and cis-linalool oxide (3.21%). Linalool was reported as another major component in T. lancifolius.

## کلمات کلیدی:

Carvacrol, Linalool, Thymol, Thymus daenensis, Thymus lancifolius

## لینک ثابت مقاله در پایگاه سیویلیکا:

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