

## عنوان مقاله:

(Investigating the possibility of squalene production by some medicinal plants using thin-layer chromatography (TLC

## محل انتشار:

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## خلاصه مقاله:

Medicinal plants contain active ingredients in one or some of their organs. Squalene is one of the active ingredients that prevent heart attacks and cardiovascular diseases and protect the body from some cancers. The aim of the present study was to investigate the presence of squalene in a number of medicinal plants. In this experiment, the plant oils were extracted and measured using Bligh & Dyer with minor changes. TLC (thin layer chromatography) was used to identify squalene. Comparison of TLC of standard squalene with TLC of the investigated medicinal plant samples showed that *Caryophyllium aromaticus*, *Descurainia sophia*, *Portulaca Oleracea*, *Papaver somniferum* and *Nigella Sativa* contained squalene. Although the percentage of *Papaver somniferum* and *Nigella Sativa* seed oil was higher than other medicinal plants, the squalene spot of clove plant had a higher intensity of color and this indicates a higher concentration of squalene in this plant.

## کلمات کلیدی:

Medicinal plant, Oil extraction, Thin layer chromatography

## لینک ثابت مقاله در پایگاه سیویلیکا:

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