

## Quantitative analysis of phenolic compounds in marigold flowers (*Calendula officinalis* L.) using microcolumn HPLC

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### Abstract

The method of microcolumn reversed-phase HPLC with two wavelengths detection (330, 360 nm) was developed for quantitative analysis of 14 phenolic compounds using *ProntoSIL-120-5-C18* (2×75 mm) column and gradient eluent system [0.2 M LiClO<sub>4</sub> in 0.006 M HClO<sub>4</sub> – 0.01 M sodium dodecylsulphate in water (1:1)]-acetonitrile. The method was used for the analysis of marigold flowers (*Calendula officinalis* L.) and some drugs (tincture, liquid extract, dry extract, infusion, decoction). A comparative study of quantitative indicators of the mentioned drugs was performed.