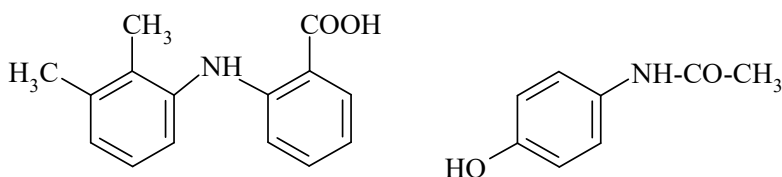


# Non-aqueous potentiometric determination of drugs mefenamic acid and paracetamol-mefenamic acid in single and double component pharmaceuticals

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## Abstract

The non-aqueous potentiometric determination of drugs mefenamic acid and paracetamol-mefenamic acid has been worked out. These drugs are widely used in medicines either as a single component or in combination of two. The effect of solvent and concentration on determination of drug mefenamic acid along with its determination in single component tablets and paracetamol containing double component tablets has been studied using the solvent isopropanol and titrant KOH in isopropanol. The acidic drugs paracetamol-mefenamic acid were simultaneously determined in double component tablets by differentiating potentiometric titrations. Titrations were carried out using a pair of glass and saturated calomel electrodes. This method was found to be quite simple, efficient, precise and convenient for assay of single and double component tablets. The results obtained are comparable to those obtained by Indian Pharmacopoeia (I.P.) method.

**Keywords:** Non-aqueous, potentiometric, mefenamic acid, paracetamol-mefenamic acid.