Different kinetic spectrophotometric methods for the determination of mefenamic

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Abstract

The objective of this research was to develop simple and sensitive three kinetic methods for the determination of some anti-inflammatory drugs, mefenamic acid (MA), niflumic acid (NA), mesalazine (MS) and sulfasalazine (SS) in pure form and in their pharmaceutical formulations. The first method was based upon the kinetic investigation of the oxidation reaction of each drug (MA, NA, MS and SS) with alkaline potassium permanganate at room temperature for fixed time yielding a green color of manganate ion.