

Suresh CV, Sambasiva Rao KRS, Vidya Sagar G. Development of new visible spectrophotometric methods for the determination of quetiapine in pharmaceutical dosage forms. *Bull. Pharm. Res.* 2011;1(3):31-3.

Abstract: Three simple and sensitive spectrophotometric methods have been developed for the determination of quetiapine in pure and pharmaceutical dosage forms. Method A was based on the formation of Ion-association complex of the drug with solochrome Black T (λ_{\max} : 520 nm). Method B was based on oxidative coupling of the drug with 3-methyl-2-benzothiazolinone hydrazone (λ_{\max} : 620 nm). Method C was based on oxidation followed by complex formation with 1,10-phenanthroline (PTL) in the presence of ferric chloride to form a colored chromogen (λ_{\max} : 510 nm). These methods were statistically evaluated and found to be precise and accurate.

Key words: Quetiapine, Spectrophotometry, Chromogen, Pharmaceutical dosage form.

References: [12](#)

Total Pages: 03

Cited by: [02](#)

*Author to whom correspondence should be addressed:

Mr. Chennupati Venkata Suresh (sureshchennupati@rediffmail.com)

Department of Biotechnology, Acharya Nagarjuna University,
Nagarjuna Nagar, Guntur, Andhra Pradesh, India

