

Prasanthi V, Mary K, Narasimha Raju CH, Basaveswara Rao MV. Development and validation of new RP-HPLC method for determination of acetyl sulfisoxazole in bulk and pharmaceutical dosage forms. *Bull. Pharm. Res.* 2011;1(1):47-53.

Abstract: A simple and precise RP-HPLC method was developed and validated for the determination of acetyl sulfisoxazole in blood samples. Chromatography was carried out using methanol:acetonitrile:0.01 M potassium dihydrogen phosphate (25:50:25 v/v) as the mobile phase at a flow rate 1.2 ml/min. The analyte was monitored by using PDA detector at 260 nm. The Run time was 8 min for acetyl sulfisoxazole. The proposed method was found to have linearity in the concentration range of 2-10 $\mu\text{g/ml}$.

Key words: Acetyl sulfisoxazole, Methanol, Acetonitrile, Potassium dihydrogen phosphate.

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Cited by: [08](#)

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