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Development and validation of UV- spectrophotometric simultaneous equation method for simvastatin and ezetimibe in tablet formulation

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In present study simple UV- spectrophotometric Simultaneous Equation Method was developed and validated for simultaneous estimation of Simvastatin (SM) and Ezetimibe (EZ) in tablet formulation. Acetonitrile is used as solvent. SM and EZ show the λ_{max} at 236.8 nm and 227.2 nm respectively. A linear relationship was observed for both the drugs individually over the concentration range 5-25 $\mu\text{g/mL}$ (SM) and 5-30 $\mu\text{g/mL}$ (EZ). The method was validated as per ICH guidelines.

Biography

Murtadak Sagar N is postgraduate in pharmaceutical chemistry from College of Pharmacy, Faizpur. He had published twelve articles in national as well as international journal.

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