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Reverse Phase High Performance Liquid Chromatography for Simultaneous Validation of Aceclofenac and Drotaverine Hydrochloride in Bulk and Pharmaceutical Dosage form

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Abstract : Simultaneous validation of Aceclofenac and Drotaverine hydrochloride from combined dosage form i.e. tablets was described by high performance liquid chromatography method with separation of drugs on BDS HypersilC18 (150 x 4.6 mm i.d.) and 5 µ particle size. A mixture of buffer and acetonitrile (55:45 % (v/v)) was constituted as mobile phase. The chromatograms were studied at 230 nm as wavelength. The mobile phase was also used as a diluent. A validated of method was studied for linear regression, accuracy, method as well as system precision. The robustness study was done for change in wavelength, mobile phase composition and flow rate as per ICH guidelines. The method has been successfully used to analyze Aceclofenac and Drotaverine from combined dosage form i.e. tablets.
Keywords : Aceclofenac, drotaverine Acetonitrile, tri-ethyl amine, ortho phosphoric acid.

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