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(57) Abstract :
The present invention provides a simple, accurate and precise method for the estimation of Fostemsavir in pharmaceutical dosage form. The present invention relates a method for the estimation of Fostemsavir by RP-UPLC in bulk and tablet dosage forms. The method for estimation of Fostemsavir in pharmaceutical dosage form, comprising of dissolving Fostemsavir using Acetonitrile and Potassium dihydrogen phosphate as mobile phase in the ratio of 60:40 %v/v; running chromatogram through column C18, 2.1mm x 50mm, 1.8µm using mobile phase; optimizing conditions of column at flow rate 0.3ml/min, detecting wavelength at 230 nm, injecting volume 1 µL, run time 5 min; and column temperature at 30ºC; running the sample and recording chromatogram from the chromatograph for estimation of Fostemsavir. The method for estimation of Fostemsavir, wherein the retention time 1.186 min and relative standard deviation 0.2, relative standard deviation of repeatability precision of Fostemsavir 0.7. The method for estimation of Fostemsavir, wherein the recovery 99.28% and assay 99.11%. The method for estimation of Fostemsavir, wherein the developed method is simple and economical and can be adopted in regular quality control test in industries.

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