

A Review Article on Analytical Method on Sitagliptin and Metformin

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Abstract: *An overview about simultaneous estimation of the combination drugs, metformin and sitagliptin using RP-HPLC method. Reverse phase chromatography is the most commonly used separation technique in HPLC, common reasons being its simplicity, versatility and its ability to handle compounds of a diverse polarity and molecular mass. Good knowledge about different types of mobile phases and their combination are required for highly precise and accurate method development. The retention time and linearity of metformin and sitagliptin are found to be determined under different chromatographic conditions such as column, mobile phase, elution mode, flow rate and wavelength detected using UV detector. In this article, we will be reviewing different developed methods for estimating the given combination drugs by RP-HPLC.*

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