

RESEARCH ARTICLE

Analytical Method Development and Validation of First Order Derivative Spectrophotometric Method for Simultaneous Estimation of Telmisartan and Metformin Hydrochloride in their Combined Pharmaceutical Dosage Form

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Received: 24th Dec, 2019; Revised: 24th Jan, 2020; Accepted: 18th Feb, 2020; Available Online: 25th Mar, 2020

ABSTRACT

Ultra Violet (UV) Spectrophotometric method has been developed for simultaneous estimation of telmisartan and metformin hydrochloride in bulk drug in their combined dosage form by first-order derivative. This method developed by using Methanol: Water (50: 50 v/v). Linearity was found near to 1, for telmisartan and Metformin hydrochloride. For Intraday, Interday, Intermediate precision, Robustness, %RSD was found less than 2. % Recovery was found to be between ranges 98-106% for both the drugs. These results indicate that the method is accurate, precise, and simple. All validation Parameter results comply with ICH guidelines.

Keywords: Metformin, Simultaneous estimation, Telmisartan, UV Spectroscopy, Validation.

International Journal of Pharmaceutical Quality Assurance (2020); DOI: 10.25258/ijpqa.11.1.9

How to cite this article: Khristi A, Baraka J, Dasvani B. Analytical Method Development and Validation of First Order Derivative Spectrophotometric Method for Simultaneous Estimation of Telmisartan and Metformin Hydrochloride in their Combined Pharmaceutical Dosage Form. International Journal of Pharmaceutical Quality Assurance. 2020;11(1):60-68.

Source of support: Nil

Conflict of interest: None

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