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Validated RP-HPLC PDA Method for estimation of Trientine Hydrochloride in Pharmaceutical dosage form

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Abstract : The present work reports a reverse phase high performance liquid chromatography (RP-HPLC) method for the determination of Trientine hydrochloride in pharmaceutical dosage form. HPLC was performed using Waters reliant C_8 column (250 mm x 4.6 mm ID, 5µm particle size) using a mixture of Acetronitrile : Ammonium formate buffer pH 5.3 ± 0.05 as mobile phase. Ultraviolet detection was carried out at 220 nm. The retention time of Trientine hydrochloride was found to be 12.497minutes. The developed method was validated as per ICH guidelines. The proposed method was found to be suitable for the quantification of the selected drug in pharmaceutical dosage form.
Keywords : RP-HPLC, Validation, Capsule, Trientine hydrochloride.

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