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Formulation and Evaluation of Rapimelt Tablet of Anti-Vertigo Drug (Lorazepam)

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Abstract : A. Rapimelt tablet of Lorazepam was prepared by direct compression method using Indion 414, Cross Carmellose Sodium and sodium starch glycolate as superdisintegrants with aim to get rapid onset of action, improve bioavailability and to give pleasant taste and better mouth feel. The tablets prepared were evaluated for various parameters like various density parameters, thickness, hardness, friability, disintegration time, wetting time and in-vitro dissolution time and were found to be within limits as per Indian Pharmacopoeia. FT-IR spectra of physical mixture of Lorazepam with Indion 414showedretention of basic peaks of Lorazepam. The developed formulation of Lorazepam batch F5 (10% Indion 414) showed good palatability and dispersed within 30 seconds as compared to Crosscarmellose Sodium batches F1-F3 and Sodium starch glycolate batches F6-F9.
Keywords : Rapimelt Drug Delivery System, Lorazepam, Anti-Vertigo, FTIR.

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