Comparative Formulation Development of Atorvastatin Calcium Tablets Using Two Different Super Disintegrants

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SUMMARY. The present work focuses at the development of a formulation with different super disintegrants in atorvastatin 20 mg immediate release tablets along with evaluation and comparative analysis of its effects on the dosage form. The super disintegrants used for the purpose included sodium starch glycolate and cross carmellose sodium. The newly developed tablets were evaluated for pre- and post-formulation parameters: hardness, thickness, friability, weight variation, disintegration time and dissolution rate. In addition, the above-mentioned parameters were comparatively evaluated. The results presented dominance of the tablets formulated with cross carmellose sodium to those formulated with sodium starch glycolate. The assay was performed using a suitable HPLC technique.

KEY WORDS: atorvastatin, multi point dissolution, post formulation, preformulation development,

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