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**Título del libro:**

## Formulation And Characterization Of Bioadhesive Tablets Of Gliclazide



apto para el cupón

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Bioadhesive tablet of Gliclazide were prepared by Direct Compression method using the polymer such as HPMC K4M and xanthan gum, and other excipients such as magnesium stearate talc. All pre-compression parameters for drug and blend such as bulk density, tap density, Carr's index, Hausner's ratio and angle of repose were studied. The compressed tablets were subjected to after compression parameters such as appearance, weight variation, hardness, friability, thickness, swelling property, in vitro dissolution studies, content uniformity test and bioadhesive strength. Amongst the other batches F7 batch was selected as an optimized batch because the pre and post compression parameters results are satisfactory. F7 batch showed the best result as the cumulative percent of drug release of F7 is 89.95% at 10 h and also swelling index is about 461% at 10 h. The tablet does not swell too much, which results in controlled release of drug and also shows good strength in both the acidic and basic media.

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