



Fast Disintegrating Tablets of Flurbiprofen: Formulation and Characterization

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SUMMARY. The purpose of development oral fast disintegrating drug delivery is not only to give fast relief but also to overcome difficulty in swallowing tablets and capsules, resulting in non-compliance and ineffective therapy. The aim of present study is to formulate fast disintegrating of flurbiprofen by using superdisintegrants. Flurbiprofen fast disintegrating tablets were prepared by using direct compression method and were characterized for both pre-compression parameters and post-compression parameters to comply with pharmacopoeial limits. From the *in vitro* drug release studies the optimized formulation showed almost complete drug release (above 99 %) within 15 min. DSC and FTIR studies were carried out to understand the drug-polymer compatibility and revealed that there was no possible interaction between them. Thus developed fast disintegrating tablets may be suitable to give rapid drug delivery and rapid onset of action.

KEY WORDS: Fast disintegrating drug delivery, Pre-compression parameters, Post-compression parameters, Superdisintegrants.

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