



A REVIEW ON FORMULATION AND EVALUATION OF ORODISPERSIBLE BILAYER TABLET CONTAINING FENOPROFEN CALCIUM

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ABSTRACT

The aim of this paper was to conduct a study of the development and evaluation of fenoprofen-containing mouth dissolving anti-inflammatory tablets. MDT is a strategy for increasing patient compliance. By solving previously encountered administration problems and leading to the extension of patent life, orodispersible drug delivery systems (ODDS) have built a significant market position. In today's scientific setting, drug delivery technology has become extremely competitive and is rapidly evolving in response to rising demand. Fast dissolving tablet (FDT) is one form of revolutionary and unique drug delivery device that is quickly gaining

traction in the rapid dissolving technology research sector. Orodispersible tablet (ODT) is a form of tablet that dissolves or disintegrates quickly in the mouth saliva without the use of water. Bilayer tablet will provide the drug in two portions- first layer will provide 25% of drug for pregastric absorption and second layer provide 75% of drug for gastric absorption. Tablet will be prepared by applying partly internal and external addition of superdisintegrants. Many drawbacks, such as dysphagia or lack of access to water when driving, have been addressed by this innovative drug delivery such as ODT or MDT (mouth dissolving tablet). FDT may also be a good alternative to traditional dosage forms. The different techniques used to prepare ODT, silent functionality, various proprietary technologies, and the process of super disintegration, as well as the challenges and limitations, are all discussed in this review article.