

Formulation and Evaluation of Orodispersible Tablet of Omeprazole Using Hibiscus Rosa Sinesis Mucilage as Natural Superdisintegrant

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Abstract: Orodispersible tablets (ODTs), also known as fast melt, quick melts, fast disintegrating have the unique property of disintegrating in the mouth in seconds without chewing and the need of water. In the present work, orodispersible tablets of Omeprazole were prepared by direct compression method using Hibiscus rosa sinensis mucilage as natural superdisintegrant with a view to enhance patient compliance and to avoid hepatic first pass metabolism and to improve its bioavailability. The prepared batches of tablets were evaluated for hardness, friability, drug content uniformity, wetting time, water-absorption ratio and in- vitro dispersion time. Short-term stability studies on the promising formulation indicated that there are no significant changes in drug content and in vitro dispersion time

Keywords: Orodispersible tablet, Omeprazole, Superdisintegrant, Hibiscus Rosa Sinensis, Bioavailability, solubility

