

## Formulation and evaluation of Aceclofenac fast dissolving tablets using foam granulation technique

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Orally dissolving tablets (ODT) provides a patient compliance solution for patients swallowing difficulties. Foam granulation is a newer technique that promises better distribution of the granulating system and better properties of the produced tablets. Aceclofenac (anti-inflammatory and analgesic) was selected as the model drug. The poor hydrophilicity of the drug results in variable dissolution rate and poor bioavailability. In this study, we tried to prepare aceclofenac ODT using the newer technique and various types of disintegrants, glidants, and lubricants. The resulted tablets were evaluated for hardness, friability, weight variation, *in vitro* disintegration time, and wetting time. All the formulation showed acceptable disintegration time. It was concluded that the prepared aceclofenac ODT by foam granulation technique using selective range of excipients can provide a dosage form with better patient compliance and effective therapy.

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