

Development of effervescent tablet for fast release and taste masking of bitter drug

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The literature reveals the wide applicability of effervescent system in different fields of pharmaceutical science. The effervescent system has established its superiority over other dosage forms where an active ingredient suffers either from bitter taste, low water solubility, low bioavailability or need faster onset of action. Recent trends of patient oriented practice demand design of patient oriented dosage form to achieve patient compliance and better drug release profile. The number of formulation related factors contributes to non-compliance and inadequate drug release profile. Hence, there is a need to design patient oriented drug delivery system. Effervescent tablets are ideal ones to improve the patient compliance. In this review, we will discuss mainly the market status, patent study, excipients used, evaluation techniques, stability considerations and biopharmaceutical aspects of effervescent tablet.

Biography

Mr. Digambar H. Khade, doing M.Pharm in Pharmaceutics at Tatyasaheb Kore College of Pharmacy Warananagar. Presented posters in various conferences.

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Significance of supercritical fluid chromatography in pharmaceutical analysis

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Supercritical fluid chromatography is a technique based on the use of supercritical fluid as the mobile phase. Carbon dioxide is the most commonly used supercritical fluid because of its low critical temperature. Three types of herbs namely *Frankincense*, *Myrrh* and *Evodia rutaecarpa* were extracted using supercritical carbon dioxide. *Zingiber zerumber* rhizomes used in Indonesian traditional medicine were extracted using supercritical carbon dioxide at 60 degrees centigrade and 200 bar pressure for 120 minutes. It is also employed for the Tocopherol measurement in edible products of vegetable origin. Chemical analysis of *Ginkgo biloba* leaves and extracts and the preparative purification of major anti-inflammatory Triterpinoid esters from *Calendula officianalis* are some of the important applications of supercritical fluid technology in Herbal research.

Biography

Research scholar working as Asst.Professor in the department of Pharmaceutical Analysis in Joginpally.B.R.Pharmacy College.