Mouth Dissolving Tablets A Unique Dosage Form Curtailed

Current Advances in Drug Delivery Through Fast Dissolving/Disintegrating Dosage Forms *Fast Dissolving Tablets of* Formulation and Evaluation of Mouth Dissolving Tablets Surface Dissolving Tablets *Development of Fast Dissolving Tablets* Design of Tramadol HCl Fast Dissolving Tablets Using DBP Formulation & Evaluation of Fast Dissolving Tablets to Treat Migraine Formulation and Evaluation Mouth Dissolving Tablets of Tramadol HCL Preparation and Evaluation of Mouth Dissolving Film of Metoclopramide Hcl **Microencapsulated Mouth Dissolving Tablet of Anti-Diabetic Drug** *Orodispersible Drug Delivery* **Fast Dissolving Tablet Of An Anti-inflammatory Drug** **Formulation Of Fast Dissolving Tablets Of Phenylephrine Hydrochloride** **Fast Dissolving Tablets Of Chlorpromazine And Promethazine** *Development and Evaluation of Fast Dissolving Tablet of Loratadine* **Anti Diabetics Fast Dissolving Tablet** **Design and Development of Sildenafil Citrate** **Drug Delivery to the Oral Cavity** Nutraceutical Fast Dissolving Tablet For Management Of Type-2 Diabetes Mouth Dissolving Tablet of Olanzapine by Solid Dispersion Technique **Fast Dissolving Tablet of Metoprolol Tartrate Using Superdisintegrants** Formulation and Evaluation of Fast Dissolving Sublingual Tablet **Comprative Study on Effect of Natural & Synthetic Superdisintegrants** *"Fast dissolving tablets "* Handbook of Pharmaceutical Granulation Technology *Pharmaceutical Dosage Forms* **Hot-Melt Extrusion** *Rapid Dissolve Solid Oral Dosage Form* **Modified-release Drug Delivery Technology** **Oral Dispersible Tablet** Formulation Tools for Pharmaceutical Development Pharmaceutical Dosage Forms - Tablets **Hydrodynamics and Solid Dosage Form Disintegration/dissolution** **Negotiating Success** Dissolution **Aulton's Pharmaceutics** **Mona Lisa's Moustache** *Dissolving* Explaining Unhappiness *Hot-Melt Extrusion*

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Drug Delivery to the Oral Cavity May 16 2021 With contributions from recognized authorities in industry, academia, and government, this reference presents the state-of-the-art in the testing, formulation, and clinical evaluation of intraoral drug delivery products-summarizing intraoral dosage forms in various stages of research, as well as products currently on the market.

Handbook of Pharmaceutical Granulation Technology Oct 09 2020 This fully revised edition of Handbook of Pharmaceutical Granulation Technology covers the rapid advances in the science of agglomeration, process control, process modelling, scale-up, emerging particle engineering technologies, along with current regulatory changes presented by some of the prominent scientist and subject matter experts around the globe. Learn from more than 50 global subject matter experts who share their years of experience in areas ranging from drug delivery and pharmaceutical technology to advances in nanotechnology. Every pharmaceutical scientist should own a copy of this fourth edition resource. Key Features: Theoretical discussions covering granulation and engineering perspectives. Covers new advances in expert systems, process modelling and bioavailability Chapters on emerging technologies in particle engineering Updated Current research and developments in granulation technologies

Orodispersible Drug Delivery Dec 23 2021 In recent decades, a variety of pharmaceutical research has been conducted to develop novel dosage forms. Considering quality of life, most of the efforts have focused on ease of medication. Among the dosage forms developed to facilitate ease of medication, the orally disintegrating tablet (ODT) is one of them. Oral disintegrating tablets are also called as orodispersible tablets, mouth-dissolving tablet (MDT), quick-dissolve, fast-melt, and rapid disintegrating tablets and freeze-dried wafers, porous tablets and rapimelts. The purpose of the present book is to disseminate the novel orodispersible technology taking one model drug, naproxen.

Design and Development of Sildenafil Citrate Jun 16 2021 Oral drug delivery is the most widely utilized route of administration among the entire route that has been explored for the systemic delivery of drug via various pharmaceutical products of different dosage form. The conventional tablet seems to be most popular because of its ease of transportation and low manufacturing cost as compare to others but poor patient compliance with whom experienced swallowing difficulties. In response to this mouth dissolving drug delivery system (MDDs) were developed as an alternative to tablet, capsule and syrup. A variety of MDDs like Mouth dissolving tablets (MDTs) and Mouth dissolving films (MDFs) were commercialized. This book describes the design and development of sildenafil citrate mouth dissolving film. As sildenafil citrate is a widely utilized drug for erectile dysfunction. This produced mouth dissolving film prepared by newer polymer Kollicoat protect and showed the good alternative for the other mouth dissolving film former, specially HPMC. Stevioside a natural sweetener used and showed the potency to mask the bitter taste of sildenafil citrate. Hence, MDF of sildenafil citrate provide good alternate to other available dosage form.

Fast Dissolving Tablet of Metoprolol Tartrate Using Superdisintegrants Feb 10 2021 Metoprolol Tartrate is a -blocker drug indicated for the treatment of angina, prevention of myocardial infarction, Essential hypertension; It has low bioavailability of about 40% due to hepatic metabolism. The purpose of this research was to improve the bioavailability by preparing a fast dissolving tablet using superdisintegrants method. Because pregastric absorption of drug improves bioavailability, gives rapid onset of action when needed."

Dissolving Aug 26 2019 This science series explains how some forms of matter respond to various forces. Simple text and vivid color photographs encourage students to observe, describe, record, and predict the many types of changes in matter.

Hydrodynamics and Solid Dosage Form Disintegration/dissolution Jan 30 2020

Current Advances in Drug Delivery Through Fast Dissolving/Disintegrating Dosage Forms Nov 02 2022 Fast Dissolving/Disintegrating Dosage Forms (FDDFs) have been commercially available since the late 1990s. FDDFs were initially available as orodispersible tablets, and later, as orodipsersible films for treating specific populations (pediatrics, geriatrics, and psychiatric patients). Granules, pellets and mini tablets are among latest additions to these dosage forms, which are still in the development pipeline. As drug delivery systems, FDDFs enable quicker onset of action, immediate drug delivery, and sometimes offer bioavailability benefits due to buccal/sublingual absorption. With time, FDDF have evolved to deliver drugs in a sustained and controlled manner. Their current market and application is increasing in demands with advances in age adapted dosage forms for different patients and changing regulatory requirements that warrant mandatory assessments of new drugs and drug products before commercial availability. This book presents detailed information about FDDFs from their inception to recent developments. Readers will learn about the technical details of various FDDF manufacturing methods, formulation aspects, evaluation and methods to conduct clinical studies. The authors also give examples of marketed fast disintegrating/dissolving drug products in US, Europe, Japan, and India. This reference is ideal for pharmacology students at all levels seeking information about this specific form of drug delivery and formulation.

Explaining Unhappiness Jul 26 2019 Serious books inevitably start with an instigating question, and the question that Explaining Unhappiness answers is this: What are you afraid would happen if you weren't unhappy? Why? Because this is the question that everybody asks all their lives, without ever fully realizing it. We are deeply engaged in the assumptions contained within it. What are we assuming when we ask that question? First, we're suggesting that it is possible to be happy regardless of the present circumstances in which we find ourselves—that unhappiness doesn't just happen, but that it may be self-imposed. Further, this chosen state may have less to do with what is happening in the present and more to do with warding off a fearfully anticipated future. Finally, we must also believe that, somehow, unhappiness pays off. We are forced to conclude, then, that we value unhappiness. Explaining Unhappiness was written for anyone who has come to realize that "realizing your potential" and "increasing your coping skills" have become old chestnuts that never really gave you what you really wanted—namely, a definitive answer as to why you need to believe that something is wrong with you.

Mouth Dissolving Tablet of Olanzapine by Solid Dispersion Technique Mar 14 2021 In the present investigation, solid dispersion of olanzapine has been prepared to improve its solubility. Further, using solid dispersion, mouth dissolving tablet was prepared to overcome the problem of swallowing. A Simplex Lattice design was applied using three factors, i.e. superdisintegrants like croscarmellose sodium(X1) crospovidone(X2), and sodium starch glycolate(X3) in tablet formulation. Disintegration time, Wetting time, Water absorption, T50 (Time required to 50% drug release) and Q10 (percentage of drug released in 10 min.) taken as responses. Solid dispersion showed significant enhancement in solubility of olanzapine. For mouth dissolving tablet, batch containing 5% croscarmellose sodium alone had minimum disintegration time (44 sec.) and faster drug release(T50: 40 sec) compared to other batches.

Hot-Melt Extrusion Jun 24 2019 Hot-melt extrusion (HME) - melting a substance and forcing it through an orifice under controlled conditions to form a new material - is an emerging processing technology in the pharmaceutical industry for the preparation of various dosage forms and drug delivery systems, for example granules and sustained release tablets. Hot-Melt Extrusion: Pharmaceutical Applications covers the main instrumentation, operation principles and theoretical background of HME. It then focuses on HME drug delivery systems, dosage forms and clinical studies (including pharmacokinetics and bioavailability) of HME products. Finally, the book includes some recent and novel HME applications, scale -up considerations and regulatory issues. Topics covered include: principles and die design of single screw extrusion twin screw extrusion techniques and practices in the laboratory and on production scale HME developments for the pharmaceutical industry solubility parameters for prediction of drug/polymer miscibility in HME formulations the influence of plasticizers in HME applications of polymethacrylate polymers in HME HME of ethylcellulose, hypromellose, and polyethylene oxide bioadhesion properties of polymeric films produced by HME taste masking using HME clinical studies, bioavailability and pharmacokinetics of HME products injection moulding and HME processing for pharmaceutical materials laminar dispersive & distributive mixing with dissolution and applications to HME technological considerations related to scale-up of HME processes devices and implant systems by HME an FDA perspective on HME product and process understanding improved process understanding and control of an HME process with near-infrared spectroscopy Hot-Melt Extrusion: Pharmaceutical Applications is an essential multidisciplinary guide to the emerging pharmaceutical uses of this processing technology for researchers in academia and industry working in drug formulation and delivery, pharmaceutical engineering and processing, and polymers and materials science. This is the first book from our brand new series Advances in Pharmaceutical Technology. Find out more about the series here.

Formulation Tools for Pharmaceutical Development Apr 02 2020 A range of new and innovative tools used for preformulation and formulation of medicines help optimize pharmaceutical development projects. Such tools also assist with the performance evaluation of the pharmaceutical process, allowing any potential gaps to be identified. These tools can be applied in both basic research and industrial environment. Formulation tools for pharmaceutical development considers these key research and industrial tools. Nine chapters by leading contributors cover: Artificial neural networks technology to model, understand, and optimize drug formulations; ME_expert 2.0: a heuristic decision support system for microemulsions formulation development; Expert system for the development and formulation of push-pull osmotic pump tablets containing poorly water-soluble drugs; SeDeM Diagram: an expert system for preformulation, characterization and optimization of tables obtained by direct compression; New SeDeM-ODT expert system: an expert system for formulation of orodispersible tablets obtained by direct compression; and 3D-cellular automata in computer-aided design of pharmaceutical formulations: mathematical concept and F-CAD software. Coverage of artificial intelligence tools, new expert systems, understanding of pharmaceutical processes, robust development of medicines, and new ways to develop medicines Development of drugs and medicines using mathematical tools Compilation of expert system developed around the world

Fast Dissolving Tablets Of Chlorpromazine And Promethazine Sep 19 2021 Chlorpromazine HCl and Promethazine HCl are potent anti-emetic. The central antimuscarinic actions of antihistamines are probably responsible for their anti-emetic effects. Fast dissolving tablets of Chlorpromazine HCl and Promethazine HCl were prepared using five superdisintegrants viz; sodium starch glycolate, crospovidone, croscarmellose, L-HPC and pregelatinised starch. The tablets were evaluated for weight variation, hardness, friability, disintegration time (1 min), dissolution rate, content uniformity, and were found to be within standard limit. It was concluded that the fast dissolving tablets with proper hardness, rapidly disintegrating with enhanced dissolution can be made using selected superdisintegrants. Among the different formulations of Chlorpromazine HCl and Promethazine HCl was prepared and studied and the formulation F2 and S2 containing crospovidone, mannitol and microcrystalline cellulose combination was found to be the fast dissolving formulation. In the present study an attempt has been made to prepare fast dissolving tablets of Chlorpromazine HCl and Promethazine HCl, by using different superdisintegrants with enhanced disintegration and dissolution rate

Comprative Study on Effect of Natural & Synthetic Superdisintegrants Dec 11 2020 The study was undertaken with an aim to formulate Mouth Dissolving tablets of Diclofenac Sodium containing Fenugreek and SSG as natural and artificial superdisintegrant respectively and to compare its release profile with the same. Granules were evaluated for tests, bulk density, tapped density, compressibility index and hausner ratio before using punched as tablets. In vitro dissolution test are found for 6 batches. From these results AF6 was selected as optimized formulation. All the formulation shows the good blend properties for direct compression and hence tablets were prepared by using direct compression technology. This rapid disintegration of the FDTs was due to the penetration of saliva into the pores of the tablet, which lead to the swelling of superdisintegrant to create enough hydrodynamic pressure for quick and complete disintegration of the tablet. Fenugreek was effective. Hence it can be concluded that instead of using artificial superdisintegrant, we use should natural because they give better dissolution profile, are cheaper, abundantly available, non toxic and non-irritating in nature.

Formulation & Evaluation of Fast Dissolving Tablets to Treat Migraine Apr 26 2022

Formulation and Evaluation of Mouth Dissolving Tablets Aug 31 2022 Oral delivery is currently the gold standard in the pharmaceutical industry where it is regarded as the safest, most convenient and most economical method of drug delivery having the highest patient compliance. This tablet format is designed to allow administration of an oral solid dose form in the absence of water or fluid intake. Such tablets readily dissolve or disintegrate in the saliva generally within

Aulton's Pharmaceutics Oct 28 2019 "Pharmaceutics is the art of pharmaceutical preparations. It encompasses design of drugs, their manufacture and the elimination of micro-organisms from the products. This book encompasses all of these areas."--Provided by publisher.

Modified-release Drug Delivery Technology Jun 04 2020

Design of Tramadol HCl Fast Dissolving Tablets Using DBP May 28 2022 The aim of the present work is to design and evaluate fast dissolving tablets of Tramadol Hydrochloride using dehydrated banana powder a natural excipient as binder, diluent and disintegrant.(a patient friendly dosage form) 1)To prepare a stable and robust formulation of fast dissolving tablets of Tramadol Hydrochloride 2)To carryout dissolution studies of various products prepared. The DBP is "cost effective" than the other commonly used excipients to achieve the said versatile property. Moreover, banana powder is a "Natural excipient" with nutritional supplement which normally do not have any toxic to the consumers that to in less quantity (less than100mg/Tablet). Thus, DBP could alone be used as a natural binder, diluent and disintegrant in the formulation and development of Patient friendly and fast dissolving dosage forms.

Microencapsulated Mouth Dissolving Tablet of Anti-Diabetic Drug Jan 24 2022 The book includes novel technique to optimize minimum weight of orally disintegrating tablet and to meet the criteria of disintegration Micro encapsulation technique by top spray technology and optimize tablet by factorial design was challenging. Polymer eudragit EPO has special characteristics that it was remain as such in mouth and dissolve at 1.2 pH in stomach. As per my knowledge this research definitely useful for industries to develop such kind of formulation. Statistical analysis play major role for tablet optimization and ANOVA, Regression analysis, Contour plot, Surface response relationship minimize the time, cost and experiments for the research work.

Fast Dissolving Tablets of Oct 01 2022 Most commonly employed oral dosage forms are tablets and capsules. Compressed tablets are the most widely used dosage form for a number of reasons like they are convenient, easy to use, less expensive, tamper-proof, easy to pack and ship and more stable than other oral dosage form. Also tablets lend themselves to certain special release profile products such as enteric or delayed release products. products such as enteric or delayed release products.1 Solid dosage forms like tablet and capsule are most popular and preferred drug delivery system because they have high patient compliance, relatively easy to produce, easy to market, accurate dosing, and good physical and chemical stability.Oral drug delivery has been known for decades as the most widely utilized route of administration among all the routes that have been explored for the systemic delivery of drugs via various pharmaceutical products of different dosage forms. The reason that the oral route achieved such popularity may because of its ease of administration as well as the traditional belief that by oral administration the drug is well absorbed as the food stuffs that are ingested daily.

Formulation and Evaluation of Fast Dissolving Sublingual Tablet Jan 12 2021 The present study was aimed to formulate and evaluate Fast Dissolving Sublingual Tablets of Ivabradine Hydrochloride, a selective If current inhibitor to reduce ischemic condition in Stable Angina. Efficacy of sublingual administration, higher permeability of drug and improvement in bioavailability achievement for drug were the factors that lead to the development of the present work. Compatibility studies of drug and polymer were performed by FTIR and demonstrated no interaction between drug and excipients. Tablets were prepared by direct compression using different concentration of Croscarmellose sodium and Crospovidone. Pre-compression parameters for blend were in the range. Prepared tablets were evaluated for disintegration time, wetting time, Water absorption ratio, %CDR and Ex-vivo permeability study. Formulation F6 (3% CCS, 4.5% CP) was found to be the optimized and showed disintegration time of 25 sec. In vitro drug release was found within 7 minutes and maximum relative permeability from F6 was up to 21 minutes. Dosage form also showed better stability criteria. From the results it was concluded that prepared FDTs executed faster release of IBH with improved characteristic

Oral Dispersible Tablet May 04 2020 Many elderly patients find difficulty to swallow tablets or capsules. It is estimated that 50% of the population is affected by this problem which results in a high incidence of incompliance and ineffective therapy for this reason the development of oral dispersible tablets (ODT) or rapidly disintegrating tablets (RDT) have recently interested not only the pharmaceutical industry, but also academia. In order to solve this problem, the development of solid dosage form that disintegrates rapidly or dissolves even when taken orally without the aid of water are being formulated. These dosage forms are known as oral dispersible tablets.The solid ODT dosage form turns into a soft paste or liquid form for easy swallowing, and thus it is free of suffocation risk. Dispersible tablet undergo disaggregation in the mouth when in contact with the saliva in less than 60 seconds, preferably in less than 40 seconds, forming a suspension which is easy to swallow. The drug Cinnarzine was selected because it is antihistaminic category drug and used in the treatment of motion sickness for that fast action is required and that can be fulfilled by ODT

Development and Evaluation of Fast Dissolving Tablet of Loratadine Aug 19 2021 Loratadine is a non sedative anti-histaminic drug. Its major use is in control of congestion, sneezing, runny nose and itching that a patient suffers with an allergic attack or an infection. It has poor solubility in water. Therefore, the solubility and drug release were enhanced using the solid dispersion technique and fast dissolving tablet were formulated. Solid dispersion prepared using Poloxamer 407, PEG 6000 and urea. The solid dispersion were evaluated for saturation solubility, drug content and in vitro dissolution study and it was characterized using FT-IR, X-RD, SEM and DSC study. The fast dissolving tablets of loratadine was formulated using crospovidone and crosscarmelose sodium by direct compression method. The tablets were evaluated for thickness, hardness, weight variation, friability, disintegration time and % in vitro drug release. A 32 factorial design was used to study the effect of Loratadine: Poloxamer 407 and crospovidone on disintegration time and % in vitro drug release. The responses were analyzed using ANOVA. The obtained model was validated & optimized formulation was prepared as suggested by the software.

Preparation and Evaluation of Mouth Dissolving Film of Metoclopramide Hcl Feb 22 2022 Oral drug delivery is the most widely utilized route of administration among the entire route that has been explored for the systemic delivery of drug via various pharmaceutical products of different dosage forms. The conventional tablet seems to be most popular because of its ease of transportability and comparatively low manufacturing cost but poor patient compliance in case of pediatrics and geriatrics patients who experienced difficulties in swallowing, in response to this mouth dissolving drugs delivery system(MDDs) were developed as an alternative to tablet, cap & syrups. A variety of MDDs like mouth dissolving tablets and mouth dissolving film (MDFs) were commercialized. MDFs evolved over the past few years from by the confection and oral care market in the form of breath strips & became a novel & widely accepted form by consumers. It consist very thin oral strips, which release active ingredients immediately after uptake into oral cavity. Today MDFs are a proven & accepted technology for the systemic delivery of active pharmaceuticals ingredients

Mona Lisa's Moustache Sep 27 2019 Now in paperback -- a groundbreaking effort to find meaning in the disintegration of Western culture by looking through the lenses of economics, philosophy, art, physics, ecology, and spirituality.

"Fast dissolving tablets " Nov 09 2020

Surface Dissolving Tablets Jul 30 2022 "Surface Dissolving Tablets" A Novel Approach in Sustained Release Formulations By Jayprakash S. Nogaja The objective of this thesis work was to develop a Surface Dissolving Tablet by means of a simple, flexible and feasible manufacturing method.The main aim of the studies is to design a sustained release tablet formulation of Isosorbide Dinitrate drug for systemic delivery with novel approach called Surface Dissolving tablets. It is one of novel approach for sustained release oral solid dosage form.

Anti Diabetics Fast Dissolving Tablet Jul 18 2021 Formulation research is oriented towards safty, efficiency and quick onset of action of existing drug molecule through novel concepts of drug delivery. Metformin hydrochloride is an oral antidiabetic biguinide agent, used in the management of non-insulin dependent (type-2) diabetes Mellitus. Orodispersible tablets of Metformin Hcl were prepared by direct compression method. About nine formulations for the present study were carried out based on combination of two superdisintegrants. Croscarmellose sodium, crosspovidone and sodium starch glycolate were used as superdisintegrant. The prepared batches of tablets were evaluated for weight variation, hardness, friability, wetting time, invitro dispersion time, drug content and invitro dissolution studies. The formulation containing combination of croscarmellose sodium and sodium starch glycolate showed rapid invitro dispersion time as compared to other formulations. The optimized formulation dispersed in 28 seconds. It also showed a higher water absorption ratio and 98.37% of drug is released within 30 minutes.

Pharmaceutical Dosage Forms Sep 07 2020

Rapid Dissolve Solid Oral Dosage Form Jul 06 2020 Oral drug delivery system still need advancements because of their some drawbacks related to particular class of patients which include gediatrics, pediatrics, and dysphasics patients associated with many medical conditions as they have difficulty in swallowing or chewing solid oral dosage forms. In the current scenario of novel drug delivery system, much emphasis has been given to effective dosage form in term of producing steady level concentration in plasma for controlled release drug delivery system and rapid release drug for quick effects. In case of allergy, chemotherapeutics side effect treatment, pain medicines and pediatric as well as geriatrics drug delivery prefers rapid response of drug. Numbers of drug from above categories have been formulated in rapid release tablet or film. With the use of natural polymers and superdisintegrants it is feasible to prepare these dosage forms to dissolve within 1min with minimum quantity of water. The aim of present review is to give complete detailed including all formulation aspects and evaluation parameters of rapid dissolve tablet and film. This review also covers patented technology.

Formulation Of Fast Dissolving Tablets Of Phenylephrine Hydrochloride Oct 21 2021 Recent advances in novel drug delivery system aims to enhance safety and efficacy of drug molecule by formulating a convenient dosage form for administration and to achieve better patient compliance. One such approach is fast dissolving tablets (FDT) of Phenylephrine Hydrochloride, a selective 1 adrenergic receptor antagonist, used for nasal decongestant and producing mydriasis effect. In present work an attempt has been made by formulating fast dissolving tablets of Phenylephrine Hydrochloride by superdisintegrants addition method using croscarmellose sodium, crospovidone and sodium starch glycolate. A total of 10 batches were prepared by using various combination and concentration of superdisintegrants and evaluated for general appearance and physical parameters, drug content, in vitro disintegration, in vitro dispersion, in vitro drug release studies, kinetic studies and stability studies. Amongst all the formulations F2 and F9 were found to be better formulations which include single superdisintegrants and combination of superdisintegrants. Finally it was concluded that FDT of Phenylephrine Hydrochloride will be used as a novel drug dosage form for pediatrics and geriatrics.

Hot-Melt Extrusion Aug 07 2020 Hot-melt extrusion (HME) - melting a substance and forcing it through an orifice under controlled conditions to form a new material - is an emerging processing technology in the pharmaceutical industry for the preparation of various dosage forms and drug delivery systems, for example granules and sustained release tablets. Hot-Melt Extrusion: Pharmaceutical Applications covers the main instrumentation, operation principles and theoretical background of HME. It then focuses on HME drug delivery systems, dosage forms and clinical studies (including pharmacokinetics and bioavailability) of HME products. Finally, the book includes some recent and novel HME applications, scale -up considerations and regulatory issues. Topics covered include: principles and die design of single screw extrusion twin screw extrusion techniques and practices in the laboratory and on production scale HME developments for the pharmaceutical industry solubility parameters for prediction of drug/polymer miscibility in HME formulations the influence of plasticizers in HME applications of polymethacrylate polymers in HME HME of ethylcellulose, hypromellose, and polyethylene oxide bioadhesion properties of polymeric films produced by HME taste masking using HME clinical studies, bioavailability and pharmacokinetics of HME products injection moulding and HME processing for pharmaceutical materials laminar dispersive & distributive mixing with dissolution and applications to HME technological considerations related to scale-up of HME processes devices and implant systems by HME an FDA perspective on HME product and process understanding improved process understanding and control of an HME process with near-infrared spectroscopy Hot-Melt Extrusion: Pharmaceutical Applications is an essential multidisciplinary guide to the emerging pharmaceutical uses of this processing technology for researchers in academia and industry working in drug formulation and delivery, pharmaceutical engineering and processing, and polymers and materials science. This is the first book from our brand new series Advances in Pharmaceutical Technology. Find out more about the series here.

Fast Dissolving Tablet Of An Anti-inflammatory Drug Nov 21 2021

Nutraceutical Fast Dissolving Tablet For Management Of Type-2 Diabetes Apr 14 2021

Pharmaceutical Dosage Forms - Tablets Mar 02 2020 The ultimate goal of drug product development is to design a system that maximizes the therapeutic potential of the drug substance and facilitates its access to patients. Pharmaceutical Dosage Forms: Tablets, Third Edition is a comprehensive resource of the design, formulation, manufacture, and evaluation of the tablet dosage form, an

Dissolution Nov 29 2019 From the bestselling author of Winter in Madrid and Dominion comes the exciting and elegantly written first novel in the Matthew Shardlake Tudor Mystery series Dissolution is an utterly riveting portrayal of Tudor England. The year is 1537, and the country is divided between those faithful to the Catholic Church and those loyal to the king and the newly established Church of England. When a royal commissioner is brutally murdered in a monastery on the south coast of England, Thomas Cromwell, Henry VIII's feared vicar general, summons fellow reformer Matthew Shardlake to lead the inquiry. Shardlake and his young protégé uncover evidence of sexual misconduct, embezzlement, and treason, and when two other murders are revealed, they must move quickly to prevent the killer from striking again. A "remarkable debut" (P. D. James), Dissolution introduces a thrilling historical series that is not to be missed by fans of Wolf Hall and Bring Up the Bodies.

Development of Fast Dissolving Tablets Jun 28 2022 Oral drug delivery has been known for decades the most widely utilized route for administration among all the route that have been explored for systemic delivery of drugs via various pharmaceutical products of different dosage forms. The reasons that the oral route has achieved such popularity may be in part attributed to its ease of administration as well as the traditional belief that by oral administration the drug is well absorbed as the food stuffs that are ingested daily. In fact, the development of a pharmaceutical product for oral delivery, irrespective of its physical form involves varying extents of optimization of dosage form characteristics within the inherent constraints of GI physiology. Therefore, a fundamental understanding of various disciplines, including GI physiology, pharmacokinetics, pharmacodynamics and formulation design are essential to achieve a systemic approach to successful development of an oral pharmaceutical dosage form. The more sophisticated a delivery system, the greater is the complexity of these various disciplines involved in the design and optimization of the system. In any case, the scientific framework required for the successful development.

Negotiating Success Dec 31 2019 How to execute win-win negotiations every time, in business and in life Negotiating Success provides expert guidance on how to improve strategies and outcomes in negotiating anything in professional and personal life. With a constant focus on the mind, body, and spirit of the professional negotiator, this easy-to- ready text brings a holistic approach to the hard and soft skills needed for ethical negotiations. The result is a better understanding of how to negotiate successfully for mutual benefit by all parties. Offers tips and tools, such as how to use positive psychology to unite your team, emotional intelligence for successful negotiation, and how to minimize conflict Spells out the six principles of ethical influence Written by Jim Hornickel, the founder of Bold New Directions, a transformational learning organization that provides training, coaching, retreats, and keynotes across the world, specializing in negotiation, leadership, communication, presentation, and corporate training Negotiating Success delivers an unparalleled blend of practical and explicit steps to take to achieve win-win negotiations, every time.

Formulation and Evaluation Mouth Dissolving Tablets of Tramadol HCL Mar 26 2022 According to United States Pharmacopoeia, the orodispersible tablets may be defined as solid dosage form containing medicinal substance or active ingredient which disintegrates rapidly within a matter of seconds when placed upon the tongue. This means that the tablets dissolve or disintegrate in the oral cavity without use of water. In this regard, the tablets need to improve disintegration time, dispersion time, drug release studies, bioavailability and patient compliance and also need to mask the bitter taste of the drug and to maintain the drug stable at accelerated condition i.e. 40 C/75% RH up to 6 months period as per ICH guidelines. Tramadol HCl is centrally acting synthetic opioid analgesic for the treatment of moderate to severe pain and is readily soluble in water. The half life of the drug is around 5.5 hours. The MDT's place a major role for rapid onset of action for geriatrics, pediatrics and the patients who have less access of water. The drug itself having bitter taste, so the present authors developed mouth dissolving tablets of tramadol HCl with the aim to mask the bitter taste of the drug, to minimize the disintegration time and improve the drug release rate."