DESIGN AND STUDY OF LAMIVUDINE ORAL CONTROLLED RELEASE TABL

 Design And Study Of Lamivudine Oral Controlled Release Tabl Design and study of lamivudine oral controlled release tablets

The objective of this study was to design oral controlled release matrix tablets of lamivudine using hydroxypropyl methylcellulose (HPMC) as the retardant polymer and to study the effect of various formulation factors such as polymer proportion, polymer viscosity, and compression force on the in vitro release of drug.

http://home.schoolnutritionandfitness.com/Design-and-study-of-lamivudine-oral-controlled-release-tablets.pdf

Design and study of lamivudine oral controlled release

Abstract. The objective of this study was to design oral controlled release matrix tablets of lamivudine using hydroxypropyl methylcellulose (HPMC) as the retardant polymer and to study the effect of various formulation factors such as polymer proportion, polymer viscosity, and compression force on the in vitro release of drug.

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Design and study of lamivudine oral controlled release

The objective of this study was to design oral controlled release matrix tablets of lamivudine using hydroxypropyl methylcellulose (HPMC) as the retardant polymer and to study the effect of various

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Pelagia Research Library Design and Study of Lamivudine

ABSTRACT. The objective of this study was to design oral sustained release matrix tablets of lamivudine using hydroxyl propyl methyl cellulose and ethyl cellulose as retardant polymers and to study the effect of various mixtures of drug and polymers on the release profile of the formulation.

http://home.schoolnutritionandfitness.com/Pelagia-Research-Library-Design-and-Study-of-Lamivudine--.pdf

Formulation design and characterization of lamivudine

Aim: To design and characterize oral controlled release matrix tablets of lamivudine to improve efficacy and patient compliance. Materials and Methods: Lamivudine matrix tablets were prepared by

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Design Formulation and Evaluation of Lamivudine

Design, Formulation and Evaluation of Lamivudine Controlled Release Tablets 1. 110 PHARMACEUTICAL AND BIOLOGICAL EVALUATIONS August 2015; vol. 2 (Issue 4): 110-121. www.onlinepbe.com ISSN 2394-0859 Pharmaceutical and Biological Evaluations Research Article Design, Formulation and Evaluation of Lamivudine Controlled Release Tablets Raghavendra Kumar Gunda1 *, J. N. Suresh Kumar1 , Chandan

http://home.schoolnutritionandfitness.com/Design--Formulation-and-Evaluation-of-Lamivudine--.pdf

Formulation Design and Characterization of Lamivudine

Aim: To design and characterize oral controlled release matrix tablets of lamivudine to improve

efficacy and patient compliance. Materials and Methods: Lamivudine matrix tablets were prepared by wet granulation method using various proportions of hydrophilic polymers such as sodium carboxymethylcellulose (Na CMC),

http://home.schoolnutritionandfitness.com/Formulation-Design-and-Characterization-of-Lamivudine--.pdf

Design and study of lamivudine oral controlled CORE

The objective of this study was to design oral controlled release matrix tablets of lamivudine using hydroxypropyl methylcellulose (HPMC) as the retardant polymer and to study the effect of various formulation factors such as polymer proportion, polymer viscosity, and compression force on the in vitro release of drug.

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Design of lamivudine XR matrix tablets Influence of HPMC

In the present study oral extended release matrix tablets of lamivudine were formulated, characterized and evaluated for in vitro dissolution and in vivo bioavailability performance in rabbits.

http://home.schoolnutritionandfitness.com/Design-of-lamivudine-XR-matrix-tablets--Influence-of-HPMC--.pdf

FORMULATION DESIGN DEVELOPMENT AND CHARACTERIZATION OF

FORMULATION DESIGN, DEVELOPMENT AND CHARACTERIZATION OF MATRIX TABLETS OF LAMIVUDINE BY USING NOVEL TECHNIQUE FOR CONTROLLED RELEASE INTRODUCTION: The oral route is the route most often used for administration of drugs. Tablets are the most popular oral formulations available in the market and are preferred by patients and physicians.

http://home.schoolnutritionandfitness.com/FORMULATION-DESIGN--DEVELOPMENT-AND-CHARACTERIZATION-OF--.pdf

Design and Evaluation of An Oral Controlled Release

Design and Evaluation of An Oral Controlled Release Microparticulate Drug The objective of the study was to prepare a oral con 718 J SCI IND RES VOL.58 SEPTEMBER 1999 Table I - Formulation design and physicochemical characteristics of nimesulide micropellets Batch no. .Sodium Calcium chloride HPMC Drug load (mg) Entrapment LSC TSO

http://home.schoolnutritionandfitness.com/Design-and-Evaluation-of-An-Oral-Controlled-Release--.pdf

Guidance on Lamivudine Food and Drug Administration

Active ingredient: Lamivudine Form/Route: Tablets/Oral Recommended studies: 2 studies 1. Type of study: Fasting Design: Single-dose, two-treatment, two-period crossover in-vivo Strength: 300 mg Subjects: Normal healthy males and females, general population Additional Comments:

http://home.schoolnutritionandfitness.com/Guidance-on-Lamivudine-Food-and-Drug-Administration.pdf

Design and evaluation of controlled release matrix tablets

Design and evaluation of controlled release matrix tablets of acyclovir matrix former to provide controlled release of acyclovir. FT-IR study indicate the absence of interaction between methylcellulose is the dominant hydrophilic vehicle for the preparation of oral controlled drug delivery systems.

http://home.schoolnutritionandfitness.com/Design-and-evaluation-of-controlled-release-matrix-tablets--.pdf

FORMULATION AND EVALUATION OF LAMIVUDINE Semantic Scholar

Nanoparticles represent a promising drug delivery system of controlled and targeted drug release. They are specially designed to release the drug in the vicinity of target tissue. The aim of this study was to prepare and evaluate polymethacrylic acid nanoparticles containing lamivudine in different drug

to polymer ratio by nanoprecipitation method.
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Design Formulation and Evaluation of Ranitidine HCl Gastro

Corpus ID: 53449464. Design Formulation and Evaluation of Ranitidine HCl Gastro Retentive Floating Tablets @inproceedings{Gunda2015DesignFA, title={Design Formulation and Evaluation of Ranitidine HCl Gastro Retentive Floating Tablets}, author={Raghavendra Kumar Gunda and Chandan Kumar Brahma and Jujjuru Naga Suresh Kumar and V. Satyanarayana and K. Naga Prashant}, year={2015} }
http://home.schoolnutritionandfitness.com/Design-Formulation-and-Evaluation-of-Ranitidine-HCl-Gastro--.pdf

Oral Controlled Release Formulation Design and Drug

This book differs from most in its focus on oral controlled release formulation design and process development. It also covers the related areas like preformulation, biopharmaceutics, in vitro-in vivo correlations (IVIVC), quality by design (QbD), and regulatory issues.
http://home.schoolnutritionandfitness.com/Oral-Controlled-Release-Formulation-Design-and-Drug--.pdf

FORMULATION AND EVALUATION OF CONTROLLED RELEASE FLOATING

The purpose of the study is to develop a controlled release floating tablets of lamivudine employing HPMC K4M and sodium alginate. The floating tablets of lamivudine were prepared employing HPMC K4M and sodium alginate as matrix formers and sodium bicarbonate as an effervescent agent.
http://home.schoolnutritionandfitness.com/FORMULATION-AND-EVALUATION-OF-CONTROLLED-RELEASE-FLOATING--.pdf

Controlled Release Drug Delivery Systems

Controlled drug delivery is one which delivers the drug at a predetermined rate, for locally or systemically, for a specified period of time. Continuous oral delivery of drugs at predictable and reproducible kinetics for predetermined period throughout the course of GIT. Controlled release drug
http://home.schoolnutritionandfitness.com/Controlled-Release-Drug-Delivery-Systems.pdf

Oral Controlled Release Drug Delivery System An Overview

1.3 Oral Controlled Drug Delivery Systems Oral controlled release drug delivery is a system that provides continuous oral delivery of drugs at predictable and reproducible kinetics for a predetermined period throughout the course of GI transit and also the system that target the delivery of a drug to a specific
http://home.schoolnutritionandfitness.com/Oral-Controlled-Release-Drug-Delivery-System--An-Overview.pdf

DEVELOPMENT AND EVALUATION OF SUSTAINED RELEASE MATRIX

The study was obtained to develop oral controlled release matrix tablets of Lamivudine having different proportion of Guar gum (retardant polymer) and to study the effect of formulation factor such as polymer proportion on the in- vitro release. The prepared granules were evaluated such as angle of repose, loose bulk density, tapped bulk density and compressibility index and satisfactory results were obtained.
http://home.schoolnutritionandfitness.com/DEVELOPMENT-AND-EVALUATION-OF-SUSTAINED-RELEASE-MATRIX--.pdf

Formulation Development and Evaluation of Rosiglitazone

Development and evaluation of oral controlled release matrix tablets of lamivudine optimization and in vitro-in vivo studies . Int j pharm pharm sci 2015: 7 (1):95-101 18. Abdul S.Althaf, Design and Study of Lamivudine Oral Sustained Release Tablets, Der Pharmacia Sinica, 2010;1(2): 61-76. 19. Amidon, GL

and R L benberg.
http://home.schoolnutritionandfitness.com/Formulation-Development-and-Evaluation-of-Rosiglitazone--.pdf

Evolution of Oral Controlled Release Dosage Forms Oral

Major Historical Milestones Affecting the Direction of Oral Controlled Release Dosage Forms. Other Major Developments Impacting the Field of Oral Controlled Release. Classification and Mechanisms of Current Oral Controlled Release Dosage Forms. Future Prospects. References
http://home.schoolnutritionandfitness.com/Evolution-of-Oral-Controlled-Release-Dosage-Forms-Oral--.pdf

Formulation development and evaluation of sustained

The present study was aimed to evaluate the feasibility of using TSP as matrix material for prolonged drug release of lamivudine. MATERIALS AND METHODS Materials Tamarind kernel powder was obtained as gift sample from Prepem Gums Pvt. Ltd., Mumbai. Lamivudine was obtained as gift sample from Ranbaxy Research Lab. Dewas(India).
http://home.schoolnutritionandfitness.com/Formulation-development-and-evaluation-of-sustained--.pdf

Lamivudine Side Effects Dosage Uses and More

Lamivudine is a prescription drug. It comes as an oral tablet and an oral solution. Lamivudine oral tablet is available as the brand-name drugs Epivir and Epivir-HBV.
http://home.schoolnutritionandfitness.com/Lamivudine--Side-Effects--Dosage--Uses--and-More.pdf

Formulation and Optimization of Controlled Porosity

daily. Lamivudine has bioavailability of 86%, protein binding of 36% and the biological half life is between 5-7 hrs. Hence it can be given to control the concentration of drug at the site of action. The main objective of the present study was to develop controlled porosity-based osmotically controlled release tablets of lamivudine.
http://home.schoolnutritionandfitness.com/Formulation-and-Optimization-of-Controlled-Porosity--.pdf

Formulation evaluation and stability studies of hydrogel

The development of oral hydrogels was formulated with an aim to hold the dosage form in the gastric environment. 3 These drug delivery systems maintain its uniformity throughout the stomach and swells up rapidly in the stomach environment for a controlled drug release. 4 Hydrogel is a three dimensional polymeric network of hydrophilic chains
http://home.schoolnutritionandfitness.com/Formulation-evaluation-and-stability-studies-of-hydrogel--.pdf

Oral Controlled Release Formulation Design and Drug

This book describes the theories, applications, and challenges for different oral controlled release formulations. This book differs from most in its focus on oral controlled release formulation design and process development. It also covers the related areas like preformulation, biopharmaceutics, in vitro-in vivo correlations (IVIVC), quality by design (QbD), and regulatory issues.
http://home.schoolnutritionandfitness.com/Oral-Controlled-Release-Formulation-Design-and-Drug--.pdf

RESEARCH SPRAY DRIED LAMIVUDINE MICROSPHERES

Ashmoony et. al/Spray-Dried Lamivudine Microspheres 3 The in-vitro release of lamivudine from the prepared microspheres was carried out in 900 ml of Sorensen's phosphate buffer of p 7.4 (ilipovi -r i et al. 2003) at a temperature of 37 0.5 C using the USP Dissolution Tester, Apparatus I (Rotating basket) (Parakash et al. 2007, Ravi et al. 2007) at 50 rpm.
http://home.schoolnutritionandfitness.com/RESEARCH-SPRAY-DRIED-LAMIVUDINE-MICROSPHERES.pdf

Lamivudine Nevirapine and Zidovudine Tablets FDA

Coadministration of lamivudine with sorbitol resulted in dose-dependent decreases of 20%, 39%, and 44% in the AUC (0-24); 14%, 32%, and 36% in the AUC ( ); and 28%, 52%, and 55% in the C max: of lamivudine, respectively. Table 6 presents drug interaction information for the individual components of lamivudine and zidovudine. Table 6.

http://home.schoolnutritionandfitness.com/Lamivudine--Nevirapine--and-Zidovudine-Tablets-FDA--.pdf

CONTROLLED AND SUSTAINED RELEASE APPROACHES IN DEVELOPING

sustained release of Lamivudine and thus, useful in developing the more effective AIDS therapy with very less or no adverse side effects. Keywords: Lamivudine, Controlled Release, AIDS, HIV, NRTIs, and Novel Drug Delivery Systems. INTRODUCTION Acquired immune deficiency syndrome (AIDS) is a disease of the human immune system caused by the human

http://home.schoolnutritionandfitness.com/CONTROLLED-AND-SUSTAINED-RELEASE-APPROACHES-IN-DEVELOPING--.pdf

The Controlled Drug Delivery Systems Past Forward and

The 1st generation (1950-1980) of drug delivery was focused on developing oral and transdermal sustained release systems and establishing the controlled drug release mechanisms. Attention of the 2nd generation (1980-2010) was dedicated to development of zero-order release systems, self-regulated drug delivery systems, long-term depot

http://home.schoolnutritionandfitness.com/The-Controlled-Drug-Delivery-Systems--Past-Forward-and--.pdf

Formulation and In Vitro Evaluation of Lamivudine

controlled release has become associated with those systems from which therapeutic agents may be automatically delivered at predefined rates over a long period of time. Products of this type have been formulated for oral, injectable, and topical use, and include inserts for placement in body cavities5.

http://home.schoolnutritionandfitness.com/Formulation-and-In-Vitro-Evaluation-of-Lamivudine--.pdf

DESIGN AND EVALUATION OF IMMEDIATE RELEASE DRUG COMBINATION

5. Kumar S., Sharma S.M. 1991, Controlled Release Dosage Forms The Eastern Pharmacist, Sept.: 17 21pp. 6. Hui ho wah, Design and fabrication of oral controlled release drug delivery systems chapter 9 in Controlled drug delivery; fundamentals and applications , edited by Robinson J.R.,

http://home.schoolnutritionandfitness.com/DESIGN--AND-EVALUATION-OF-IMMEDIATE-RELEASE-DRUG-COMBINATION.pdf

Formulation and evaluation of gum based matrix tablets of

Hence an oral controlled release formulation of lamivudine should contain a total dose of 200 mg and should release 88 mg in first 1 hour like conventional tablets, and 11.55 mg/h up to 12 hours thereafter. Preparation of Lamivudine Matrix Tablets All the matrix tablets, each containing 200 mg of Lamivudine, were prepared by direct

http://home.schoolnutritionandfitness.com/Formulation-and-evaluation-of-gum-based-matrix-tablets-of--.pdf

CiteSeerX Matrix tablets Correspondence to Author

CiteSeerX - Document Details (Isaac Councill, Lee Giles, Pradeep Teregowda): The study was obtained to develop oral controlled release matrix tablets of Lamivudine having different proportion of Guar gum (retardant polymer) and to study the effect of formulation factor such as polymer proportion on the in- vitro release. The prepared granules were evaluated such as angle of repose, loose bulk

http://home.schoolnutritionandfitness.com/CiteSeerX---Matrix-tablets-Correspondence-to-Author-.pdf

DESIGN AND EVALUATION OF CONTROLLED RELEASE LAYERED MATRIX

1.9 Experimental work and scope of the study 33 Chapter 2 : Design and Evaluation of Layered Matrix

Tablets of Paracetamol for Oral Controlled Drug Delivery 35 2.1 Introduction 35 2.2 Materials and Methods 37 2.2.1 Materials 37 2.2.2 Preparation of paracetamol core matrix tablets 37 2.2.3 Preparation of layered matrix tablets 38

http://home.schoolnutritionandfitness.com/DESIGN-AND-EVALUATION-OF-CONTROLLED-RELEASE-LAYERED-MATRIX--.pdf

Oral Controlled Release Formulation Design and Drug

Oral Controlled Release Formulation Design and Drug Delivery is the first book of its kind to cover every aspect of oral controlled release formulations, including controlled release mechanisms, preformulation, biopharmaceutics, in vitro in vivo correlations (IVIVC), quality by design (QbD), and regulatory affairs. Comprehensive in scope

http://home.schoolnutritionandfitness.com/Oral-Controlled-Release-Formulation-Design-and-Drug--.pdf

Formulation And Evaluation Of Controlled Release Matrix

Keywords: Controlled release matrix tablets, Lamivudine, Eudragit RS100, Eudragit RL100, Hydrorxy propyl methyl cellulose K100M. INTRODUCTION The oral route is the route most often used for administration of drugs. Tablets are the most popular oral formulations available in the market and are preferred by patients and physicians alike.

http://home.schoolnutritionandfitness.com/Formulation-And-Evaluation-Of-Controlled-Release-Matrix--.pdf

Bioequivalence Study of Two Formulations of Pregabalin CR

Bioequivalence Study of Two Formulations of Pregabalin CR(Controlled-release) Table 300 mg The safety and scientific validity of this study is the responsibility of the study sponsor and investigators.

http://home.schoolnutritionandfitness.com/Bioequivalence-Study-of-Two-Formulations-of-Pregabalin-CR--.pdf

DESIGN AND CHARACTERIZATION OF CONTROLLED RELEASE MATRIX

DESIGN AND CHARACTERIZATION OF CONTROLLED RELEASE MATRIX TABLETS OF ZIDOVUDINE R.K.KAR,*1 S.MOHAPATRA,1 B.B.BARIK 2 The investigation was concerned with design and characterization of oral contr olled release matrix tablets of Z idovudine (AZT) in order to impr ov e efficacy and better patient compliance.

http://home.schoolnutritionandfitness.com/DESIGN-AND-CHARACTERIZATION-OF-CONTROLLED-RELEASE-MATRIX--.pdf

Lamivudine

The results of the present study suggest that method F3 is the most suited one to develop lamivudine microspheres, keeping in consideration, the zero order release profile, high DEE (99.66 %), small particle size (27.89 m) and high yield of the microspheres of this method.

http://home.schoolnutritionandfitness.com/Lamivudine.pdf

Amazon com Oral Controlled Release Formulation Design and

Oral Controlled Release Formulation Design and Drug Delivery is the first book of its kind to cover every aspect of oral controlled release formulations, including controlled release mechanisms, preformulation, biopharmaceutics, in vitro in vivo correlations (IVIVC), quality by design (QbD), and regulatory affairs. Comprehensive in scope

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Mytesi Crofelemer Delayed release Tablets for Oral Use

(crofelemer) Delayed-release Tablets, for Oral Use. DESCRIPTION. MYTESI (crofelemer) delayed-release tablets is an anti-diarrheal, enteric-coated drug product for oral administration. It contains 125

mg of crofelemer, a botanical drug substance that is derived from the red latex of Croton lechleri Mull. Arg.
http://home.schoolnutritionandfitness.com/Mytesi--Crofelemer-Delayed-release-Tablets--for-Oral-Use--.pdf

Formulation and Evaluation of Hydrogel Based Oral

concentration for oral controlled release tablets Simvastatin. Formulated tablets exhibited nearly zero order kinetics and the release profile was of matrix diffusion type. From this study, it is possible to design promising Hydrogel based oral controlled release tablets containing Simvastatin for the treatment of
http://home.schoolnutritionandfitness.com/Formulation-and-Evaluation-of-Hydrogel-Based-Oral--.pdf

A controlled release pilocarpine buccal insert in the

Lockhart P B, Fox P C, Gentry A C, Acharya R, Norton H J . Pilot study of controlled release pilocarpine in normal subjects. Oral Surg Oral Med Oral Pathol Oral Radiol Endod 1996; 82: 517 524
http://home.schoolnutritionandfitness.com/A-controlled-release-pilocarpine-buccal-insert-in-the--.pdf

Bioequivalence Study of Two Formulations of Pregabalin CR

The purpose of this clinical trial is to (1) evaluate the bioequivalence(BE) of GLA5PR GLARS-NF3 tablet 300mg administered regular diet relative to GLA5PR GLARS-NF1 tablet 300mg administered regular diet and (2) determine the safety and tolerability of a single dose of GLA5PR GLARS-NF3 tablet 300mg administered regular diet and GLA5PR GLARS-NF1 tablet 300mg administered regular diet.
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Comparative efficacy and safety and dolutegravir and

n treatment-naive patients with HIV-1 identified by systematic review were evaluated using a Bayesian network meta-analysis methodology. Methods: The primary outcome was virologic suppression at Week 48 for 3-drug regimens versus DTG + 3TC (also analyzed in patient subgroup with baseline viral load >100 000 RNA copies/ml). Secondary outcomes included CD4+ cell count change from baseline and
http://home.schoolnutritionandfitness.com/Comparative-efficacy-and-safety-and-dolutegravir-and--.pdf

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http://home.schoolnutritionandfitness.com/fitness-theory-practice-5th-edition.pdf