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Perspective

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Industrial Pharmacy for Better Enrichment

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Introduction

Industrial pharmacy is that the process which incorporates manufacturing, development, marketing and distribution of drug products including quality assurance of the developed drug. Industrial Pharmacy Journals have a broad scope which contains all the sorts of articles associated with Industrial Pharmacy. Current Pharmaceutical Design, Journal of Pharmaceutical and Biomedical Analysis, Journal of Computer-Aided Molecular Design, Recent Patents on CNS Drug Discovery,Drug Development and Industrial Pharmacy. A water-insoluble complex between diltiazem HCl and Na deoxycholate was prepared to realize sustained release dosage forms.

Physicochemical characterization of the drug complex was carried out with differential scanning calorimetry, 1H-nuclear magnetic resonance, and Fourier transform infrared spectroscopy. A simple, rapid, and validated method for separation and determination of promethazine enantiomers was developed. The UV-detector was set to 254 nm. Acetyl salicylic acid (Aspirin®) was used as an internal standard. The method was validated through the parameters of linearity, accuracy, precision, and robustness. An application of carboxymethyl mungbean starch (CMMS) as a gelling agent in the topical pharmaceutical preparation was investigated. CMMS was prepared using specific conditions that yielded a high-viscosity product. A plausible explanation supported the character of the gelling agent was proposed. Stability and drug release profiles of CMMS and commercial gelling agents were compared.

The objective of this study was to organize and evaluate a completely unique spray-dried tableting excipient employing a mixture of chitosan and lactose. The resultant solution was sprayed through a laboratory spray drier at 1.4 mL/min. The granules were evaluated for bulk density, tap density, Carr index, particle size distribution, surface morphology, thermal properties, and tableting properties. Sustained release thermosensitive solution containing cytarabine-loaded liposome delivery system offers the likelihood of reduced dosing frequency and sustained drug action. Biodegradable and biocompatible chitosan-beta-glycerophosphate thermosensitive solution having the property to gel at body temperature and to maintain its physical integrity for longer period of time was used.

The pharmacological characteristics of proton pump inhibitors are related to their protolytic behavior estimated by their pKa values. Lansoprazole may be a potent anti-acid drug from this group. The effect of polyvinyl pyrrolidone K30 and/or l-arginine on etoricoxib–HPβCD complex was investigated. Typical pharmaceutical scientists spend most of their time during a laboratory discovering and learning how different compounds interact with disease-causing cells and organisms. In addition, they investigate how these compounds interact with the human body to ultimately determine if they can become new drugs. During the invention phase, pharmaceutical scientists may examine thousands of molecular compounds before they find one that effectively fights disease without harming the patient.

Alternatively, many molecular pathways are evaluated to work out if a protein can alter the signaling during a beneficial way. In the context of pharmacy, entrepreneurship is generally associated with the establishment of community pharmacy and business management. In the United States, pharmacies also embrace such services to improve patient adherence to medication.

Innovation is a key component of the pharmaceutical industry and biomedical research. Pharmacists and health care professionals have a responsibility for the health and well-being of the population, the so-called “social capital. Innovation is a key component of the pharmaceutical industry and biomedical research. Every drug or medicinal product developed and released to the market stems from an intellectual curiosity that needs a symbol of concept spanning years.

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