EXHIBIT 1006

Coalition For Affordable Drugs XI LLC Exhibit 1006 Coalition For Affordable Drugs XI LLC v Insys Pharma, Inc. IPR2015-01797

DOCKET Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

Δ

Comprehensive Summaries of Uppsala Dissertations from the Faculty of Pharmacy 287



New Concepts in Administration of Drugs in Tablet Form

Formulation and Evaluation of a Sublingual Tablet for Rapid Absorption, and Presentation of an Individualised Dose Administration System

> BY SUSANNE BREDENBERG



ACTA UNIVERSITATIS UPSALIENSIS UPPSALA 2003



Find authenticated court documents without watermarks at docketalarm.com.

Dissertation for the Degree of Doctor of Philosophy (Faculty of Pharmacy) in Pharmaceutics presented at Uppsala University in 2003

ABSTRACT

Bredenberg, S., 2003. New Concepts in Administration of Drugs in Tablet Form: Formulation and Evaluation of a Sublingual Tablet for Rapid Absorption, and Presentation of an Individualised Dose Administration System. Acta Universitatis Upsaliensis. *Comprehensive Summaries of Uppsala Dissertations from the Faculty of Pharmacy* 287. 83 pp. Uppsala. ISBN 91-554-5600-6.

This thesis presents two new concepts in oral drug administration and the results of evaluation of some relevant formulation factors.

Investigation into improving the homogeneity of mixtures for tableting indicated that it may be possible to obtain interactive dry mixtures of micronised drugs containing drug proportions as low as 0.015% w/w. By studying the relationship between disintegration time and tensile strength, it was found that the microstructure surrounding the disintegrant particles may influence the disintegration process. Therefore, avoidance of excipients which are highly deformable or very soluble in water will result in more rapid disintegration. Further, it is possible to increase the bioadhesive properties of a non-bioadhesive carrier material by forming interactive mixtures containing a fine particulate bioadhesive material.

The new sublingual tablet concept presented is based on interactive mixtures consisting of a water-soluble carrier covered with fine drug particles and a bioadhesive component. With this approach, it is possible to obtain rapid dissolution in combination with bioadhesive retention of the drug in the oral cavity. Clinical data indicate that this allows rapid sublingual absorption while simultaneously avoiding intestinal absorption.

An individualised dose administration system is also presented. This system is based on the use of standardised units (microtablets), each containing a sub-therapeutic amount of the active ingredient. The required dose is fine-tuned by electronically counting out a specific number of these units using an automatic dose dispenser. A patient handling study supported the suggestion that the dosage of some medications can be more easily and safely individualised for each patient with this method than by using traditional methods of mixing different standard tablet strengths or dividing tablets.

Susanne Bredenberg, Department of Pharmacy, Uppsala Biomedical Centre, Box 580, SE-751 23 Uppsala, Sweden

© Susanne Bredenberg 2003

ISSN 0282-7484 ISBN 91-554-5600-6

DOCKET

Printed in Sweden by Uppsala University, Tryck & Medier, Uppsala 2003

Till Lars & Ella



DOCKET A L A R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

DOCKET A L A R M



Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.