

MEDA PHARMACEUTICALS AND CIPLA LTD.

V.

APOTEX

C.A. No. 14-cv-1453



Maureen Donovan, Ph.D.

DIRECT EXAMINATION DEMONSTRATIVES

Maureen Donovan, Ph.D. – Background and Education

Curriculum Vitae

Maureen D. Donovan, Ph.D.

Office Address: University of Iowa
College of Pharmacy
115 S. Grand Ave
Iowa City, IA 52242
maureen-donovan@uiowa.edu
319-335-0097

Education: University of Minnesota College of Pharmacy
Minneapolis, Minnesota
Bachelor of Science in Pharmacy, 1983

University of Michigan College of Pharmacy
Horace H. Rackham School of Graduate Studies
Ann Arbor, Michigan
Ph.D. (Pharmaceutics), 1989

PROFESSIONAL EXPERIENCE

2013-present Associate Dean for Undergraduate Programs
College of Pharmacy
University of Iowa
Iowa City, IA

2008-2013 Division Head
Division of Pharmaceutics and Translational Therapeutics
University of Iowa College of Pharmacy
Iowa City, IA

2008-present Professor
Division of Pharmaceutics and Translational Therapeutics
University of Iowa College of Pharmacy
Iowa City, IA

1996-2008 Associate Professor
University of Iowa College of Pharmacy
Division of Pharmaceutics
Iowa City, IA

1989-1996 Assistant Professor
University of Iowa College of Pharmacy
Division of Pharmaceutics
Iowa City, IA

1991 Visiting Scholar
SmithKline Beecham Pharmaceuticals
King of Prussia, PA

1986-88 Staff Pharmacist
Clark Professional Pharmacy
Ypsilanti, MI

Education: University of Minnesota College of Pharmacy
Minneapolis, Minnesota
Bachelor of Science in Pharmacy, 1983

University of Michigan College of Pharmacy
Horace H. Rackham School of Graduate Studies
Ann Arbor, Michigan
Ph.D. (Pharmaceutics), 1989

PROFESSIONAL EXPERIENCE

2013-present Associate Dean for Undergraduate Programs
College of Pharmacy
University of Iowa
Iowa City, IA

2008-2013 Division Head
Division of Pharmaceutics and Translational Therapeutics
University of Iowa College of Pharmacy
Iowa City, IA

2008-present Professor
Division of Pharmaceutics and Translational Therapeutics
University of Iowa College of Pharmacy
Iowa City, IA

Summary of Opinions

- A POSA formulator co-formulating a fluticasone/azelastine nasal spray would have started working from the Flonase® and Astelin® products.
- The claimed combinations of fluticasone/azelastine in a nasal spray are obvious.

Framework for Analysis

- Level of ordinary skill in the art.
- Assess the scope of the prior art.
- Assess any differences between the prior art and the claimed inventions.
- Were the claims obvious in light of any differences from the prior art?

Person of Ordinary Skill in the Art: Formulation

- **The relevant art:** pharmaceutical formulations of topical agents.

- **Level of ordinary skill in the art:**
 - At least a bachelor's degree in chemistry, biology, chemical engineering or pharmaceutical science;
 - 3-5 years of experience in formulation development of nasal dosage forms, and the ability to operate independently on formulation activities.
 - Familiarity with pharmaceutical excipients and their uses.
 - Could have advanced degree, with fewer years of experience

- **Date of invention:** June 2002

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.