

SEVENTH EDITION
**PHARMACEUTICAL
DOSAGE FORMS
AND DRUG
DELIVERY SYSTEMS**

Howard C. Ansel
Lloyd V. Allen, Jr.
Nicholas G. Popovich



Editor: Donna Balado
Managing Editor: Jennifer Schmidt
Marketing Manager: Christine Kushner

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351 West Camden Street
Baltimore, Maryland 21201-2436 USA

227 East Washington Square
Philadelphia, PA 19106

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Printed in the United States of America

Library of Congress Cataloging-in-Publication Data

Ansel, Howard C., 1933–
Pharmaceutical dosage forms and drug delivery systems / Howard C.
Ansel, Loyd V. Allen, Jr., Nicholas G. Popovich. — 7th ed.
p. cm.
Includes bibliographical references and index.
ISBN 0-683-30572-7
1. Drugs—Dosage forms. 2. Drug delivery systems. I. Allen, Loyd V.
II. Popovich, Nicholas G. III. Title.
[DNLM: 1. Dosage Forms. 2. Drug Delivery Systems. QV 785 A618i 1999]
RS200.A57 1999
615'.1—dc21
DNLM/DLC
for Library of Congress

99-17498
CIP

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SOLUTIONS

Chapter at a Glance

Solubility	Proper Administration and Use of Liquid
<i>Inorganic Molecules</i>	Peroral Dosage Forms
<i>Organic Molecules</i>	Topical Solutions and Tinctures
Some Solvents For Liquid Preparations	Topical Solutions
<i>Distillation Method</i>	<i>Sprays</i>
<i>Ion-exchange method</i>	<i>Aluminum Acetate Topical Solution</i>
<i>Reverse Osmosis</i>	<i>Aluminum Subacetate Topical Solution</i>
Preparation of Solutions	<i>Calcium Hydroxide Topical Solution</i>
Oral Solutions and Preparations for Oral Solution	<i>Coal Tar Topical Solution</i>
<i>Dry Mixtures for Solution</i>	<i>Hydrogen Peroxide Topical Solution</i>
<i>Oral Solutions</i>	<i>Chlorhexidine Gluconate Solution</i>
<i>Oral Rehydration Solutions</i>	<i>Povidone-Iodine Topical Solution</i>
<i>Oral Colonic Lavage Solution</i>	<i>Thimerosal Topical Solution</i>
<i>Magnesium Citrate Oral Solution</i>	Vaginal and Rectal Solutions
<i>Sodium Citrate and Citric Acid Oral Solution</i>	Vaginal Douches
Syrups	<i>Retention Enemas</i>
Components of Syrups	<i>Evacuation Enemas</i>
<i>Sucrose and Non-Sucrose Based Syrups</i>	Topical Tinctures
<i>Antimicrobial Preservatives</i>	<i>Iodine Tincture</i>
<i>Flavorant</i>	<i>Compound Benzoin Tincture</i>
<i>Colorant</i>	<i>Thimerosal Tincture</i>
Preparation of Syrups	Special Application Solutions
<i>Solution with the Aid of Heat</i>	Nasal Preparations
<i>Solution by Agitation without the Aid of Heat</i>	<i>Nasal Decongestant Solutions</i>
<i>Addition of Sucrose to a Medicated Liquid or to a Flavored Liquid</i>	<i>Inhalation Solutions</i>
<i>Percolation</i>	<i>Examples of Medicated Inhalation Solutions</i>
Elixirs	<i>Inhalants</i>
Preparation of Elixirs	<i>Amyl Nitrite Inhalant</i>
Nonmedicated Elixirs	<i>Propylhexedrine Inhalant</i>
Medicated Elixirs	<i>Proper Administration and Use of Nasal Drops and Sprays</i>
<i>Antihistamine Elixirs</i>	<i>Nasal Route for Systemic Effects</i>
<i>Barbiturate Sedative/Hypnotic Elixirs</i>	Otic Solutions
<i>Phenobarbital Elixir</i>	<i>Cerumen-Removing Solutions</i>
<i>Digoxin Elixir</i>	<i>Anti-infective, Anti-inflammatory, and Analgesic Ear Preparations</i>
Tinctures	

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