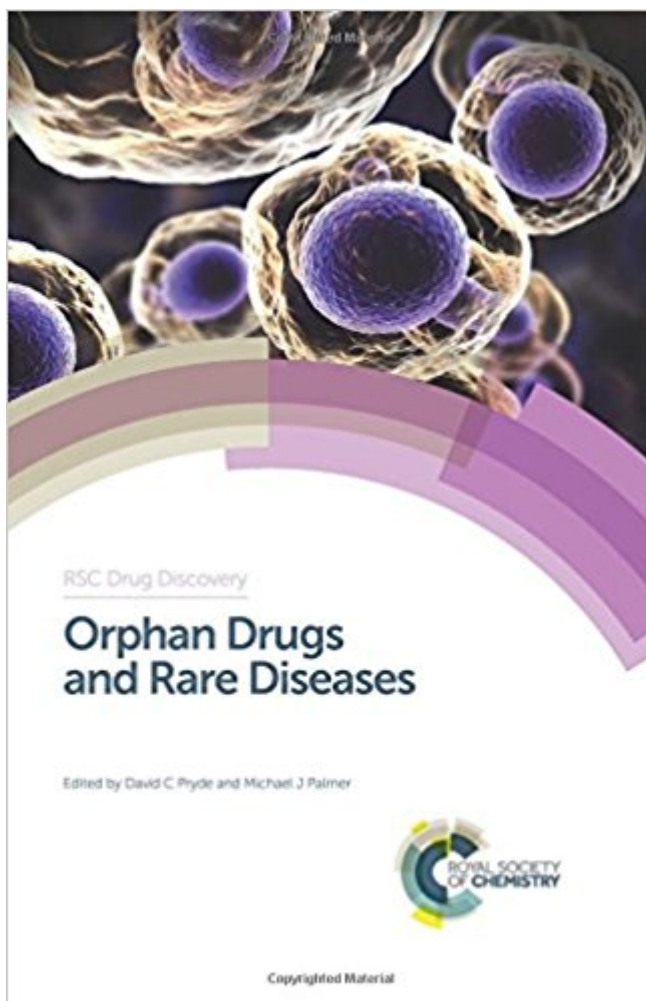


The book was found

# Orphan Drugs And Rare Diseases: RSC (Drug Discovery)



## Synopsis

Orphan drugs are designated drug substances that are intended to treat rare or *orphan* diseases. More than 7000 rare diseases are known that collectively affect some 6-7% of the developed world's population; however, individually, any single, rare disease may only affect a handful of people making them commercially unattractive for the biopharmaceutical industry to target. Ground breaking legislation, starting with the Orphan Drug Act that was passed in the US in 1983 to provide financial incentives for companies to develop orphan drugs, has sparked ever increasing interest from biopharmaceutical companies to tackle rare diseases. These developments have made rare diseases, and the orphan drugs that treat them, sufficiently attractive to pharmaceutical development and many pharmaceutical companies now have research units dedicated to this area of research. It is therefore timely to review the area of orphan drugs and some of the basic science, drug discovery and regulatory factors that underpin this important, and growing, area of biomedical research. Written by a combination of academic and industry experts working in the field, this text brings together expert authors in the regulatory, drug development, genetics, biochemistry, patient advocacy group, medicinal chemistry and commercial domains to create a unique and timely reference for all biomedical researchers interested in finding out more about orphan drugs and the rare diseases they treat. Providing an up-to-date monograph, this book covers the basic science, drug discovery and regulatory elements behind orphan drugs and will appeal to medicinal and pharmaceutical chemists, biochemists and anyone working within the fields of rare disease research and drug development or pharmaceuticals in industry or academia.

## Book Information

Series: Drug Discovery (Book 38)

Hardcover: 486 pages

Publisher: Royal Society of Chemistry; 1 edition (August 14, 2014)

Language: English

ISBN-10: 1849738068

ISBN-13: 978-1849738064

Product Dimensions: 6 x 1.3 x 9.8 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,383,269 in Books (See Top 100 in Books) #91 in *Books > Medical*

Books > Pharmacology > Product Development #2402 in [Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Pharmacy](#) #3391 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Pharmacology](#)

## Customer Reviews

Orphan drugs are designated drug substances that are intended to treat rare or [Orphan](#) diseases. More than 7000 rare diseases are known that collectively affect some 6-7% of the developed world's population, but individually, any single rare disease may only affect a handful of people making them unattractive for the biopharmaceutical industry to target. Providing an up-to-date monograph, this book covers the basic science, drug discovery and regulatory elements behind orphan drugs.

Orphan drugs are designated drug substances that are intended to treat rare or [Orphan](#) diseases. More than 7000 rare diseases are known that collectively affect some 6-7% of the developed world's population; however, individually, any single, rare disease may only affect a handful of people making them commercially unattractive for the biopharmaceutical industry to target. Ground breaking legislation, starting with the Orphan Drug Act that was passed in the US in 1983 to provide financial incentives for companies to develop orphan drugs, has sparked ever increasing interest from biopharmaceutical companies to tackle rare diseases. These developments have made rare diseases, and the orphan drugs that treat them, sufficiently attractive to pharmaceutical development and many pharmaceutical companies now have research units dedicated to this area of research. It is therefore timely to review the area of orphan drugs and some of the basic science, drug discovery and regulatory factors that underpin this important, and growing, area of biomedical research. Written by a combination of academic and industry experts working in the field, this text brings together expert authors in the regulatory, drug development, genetics, biochemistry, patient advocacy group, medicinal chemistry and commercial domains to create a unique and timely reference for all biomedical researchers interested in finding out more about orphan drugs and the rare diseases they treat. Providing an up-to-date monograph, this book covers the basic science, drug discovery and regulatory elements behind orphan drugs and will appeal to medicinal and pharmaceutical chemists, biochemists and anyone working within the fields of rare disease research and drug development or pharmaceuticals in industry or academia.

[Download to continue reading...](#)

Orphan Drugs and Rare Diseases: RSC (Drug Discovery) Trace Elements Medicine and Chelation Therapy: RSC (RSC Paperbacks) Introduction to Glass Science and Technology: RSC (RSC Paperbacks) The Chemistry of Medical and Dental Materials: RSC (RSC Materials Monographs) Therapeutic Oligonucleotides: RSC (RSC Biomolecular Sciences) The Chemistry of Fireworks: RSC (RSC Paperbacks) The Maillard Reaction: RSC (RSC Food Analysis Monographs) Prescription Drugs: Understanding Drugs and Drug Addiction (Treatment to Recovery and Real Accounts of Ex-Addicts Volume III – Prescription Drugs Edition Book 3) Ion Channel Drug Discovery: RSC Blood-Brain Barrier in Drug Discovery: Optimizing Brain Exposure of CNS Drugs and Minimizing Brain Side Effects for Peripheral Drugs Discovery Map 85: Cork Kerry (Discovery Maps): Cork Kerry (Discovery Maps) (Irish Discovery Series) Handbook of Assay Development in Drug Discovery (Drug Discovery Series) Treatment of Cystic Fibrosis and Other Rare Lung Diseases (Milestones in Drug Therapy) Gold, Silver and Rare Coins: A Complete Guide To Finding Buying Selling Investing: Plus...Coin Collecting A-Z: Gold, Silver and Rare Coins Are Top Sellers on eBay, and Etsy Hypertension and You: Old Drugs, New Drugs, and the Right Drugs for Your High Blood Pressure Rose Diseases: Kinds of Rose Diseases and Tips How to Reduce Diseases or Fungus Abusing Over the Counter Drugs: Illicit Uses for Everyday Drugs (Illicit and Misused Drugs) Percutaneous Absorption: Drugs--Cosmetics--Mechanisms--Methodology: Drugs--Cosmetics--Mechanisms--Methodology, Third Edition, (Drugs and the Pharmaceutical Sciences) Drugs Looking for Diseases: Innovative Drug Research and the Development of the Beta Blockers and the Calcium Antagonists (Developments in Cardiovascular Medicine) New Drugs: Bath Salts, Spice, Salvia, & Designer Drugs (Downside of Drugs)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)