

| | |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Record Nr. | UNINA9910969214503321 |
| Titolo | Modified-release drug delivery technology . Volume 1 // edited by Michael J. Rathbone ... [et al.] |
| Pubbl/distr/stampa | New York, : Informa Healthcare, c2008 |
| ISBN | 9781040171318 1040171311 9780429145803 0429145802 9781420044362 1420044362 |
| Edizione | [2nd ed.] |
| Descrizione fisica | 1 online resource (514 p.) |
| Collana | Drugs and the pharmaceutical sciences ; ; 183 |
| Altri autori (Persone) | RathboneMichael J. <1957-> |
| Disciplina | 615.19 |
| Soggetti | Controlled release technology Controlled release preparations Drug delivery systems Pharmaceutical technology |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and indexes. |
| Nota di contenuto | Front Cover; Preface; Contents; Chapter 1. Patent and Other Intellectual Property Rights in Drug Delivery; Chapter 2. Intellectual Property Developments and Issues in India; Chapter 3. Parameter Claims at the European Patent Office; Chapter 4. Japan's Patent Issues Relating to Modified Drug Delivery Technology; Chapter 5. Oral Transmucosal Drug Delivery; Chapter 6. Pilocarpine Buccal Insert; Chapter 7. OraVescent Drug Delivery System: A Novel Technology for the Transmucosal Delivery of Drugs; Chapter 8. DentiPatch Development; Chapter 9. Medicated Chewing Gum Chapter 10. The Oral PowderJect Device for Mucosal Drug Delivery Chapter 11. The PerioChipTM: A Biodegradable Device for the Controlled Delivery of Chlorhexidine in the Subgingival Environment; Chapter 12. Modified-Release Delivery Systems for Oral Use; Chapter 13. Advances in Cellulose Ether-Based Modified-Release Technologies; Chapter SQZgelTM; Chapter 15. Thiolated Polymers for Controlled |

Release; Chapter 16. Two Concepts, One Technology: Controlled-Release Solid Dispersions Using Melt Extrusion (Meltrex)
Chapter 17. Threeform-Technology for Controlled Release of Amorphous Active Ingredient for Once-Daily Administration
Chapter 18. Floating Gastroretentive Capsule for Controlled Drug Delivery; Chapter 19. Thin Film Oral Dosage Forms; Chapter 21. Enhanced Gastroretentive Dosage Form with Minimal Food Effects: GIRESSTM;
Chapter 22. Advancing Gastrointestinal Permeation Enhancement Formulations into the Clinic: GIPETTM; Chapter 23. The Micropump Technology; Chapter 24. A Novel Microparticle Technology for Tailored Drug Release in the Gastrointestinal Tract
Chapter 25. Lipid Nanoparticles (SLN, NLC, LDC) for the Enhancement of Oral Absorption
Chapter 26. Colonic Drug Delivery; Chapter 27. Biopolymers and Colonic Delivery; Chapter 28. Enteric Coating for Colonic Delivery; Chapter 29. Programmed Drug Delivery Systems and the Colon; Chapter 30. PulsincapTM and Hydrophilic Sandwich Capsules: Innovative Time-Delayed Oral Drug Delivery Technologies; Chapter 31. Targeting the Colon Using COLALTM: A Novel Bacteria-Sensitive Drug Delivery System; Chapter 32. Development of the Egalet Technology
Chapter 33. Regulatory Aspects in Modified-Release Drug Delivery
Chapter 34. Regulatory Issues in the United States Relating to Modified-Release Drug Formulations; Chapter 35. Japanese Regulatory Issues on Modified-Release Drug Products; Chapter 36. Regulatory Aspects of Delivery Systems in the European Union; Chapter 37. Canadian Regulatory Requirements for Drug Approval; Chapter 38. Regulating Modified-Release Drug Delivery Technologies in Australia; Back Cover

Sommario/riassunto

This two volume Second Edition describes the anatomical, physiological, pharmaceutical, and technological aspects of delivery routes, found in areas like: Oral, Ocular, Dermal, and transdermal, Vaginal, Colonic, Oral, mucosal, Nasal, Pulmonary. Providing insight and critical assessment of the many available and emerging modified release drug delivery systems for their current and future value, topics include: Intellectual property rights and regulatory issues and challenges, osmotic systems and Q-trol, Q-dis, Matrix Systems, thiolated polymers for CR, Oradur, IDD technology, and chronotherapy technology, Oral-lynTM.
