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Floating Gastroretentive Capsule for Controlled Drug Delivery; Chapter 19. Thin Film Oral Dosage Forms; Chapter 21. Enhanced Gastroretentive Dosage Form with Minimal Food Effects: GIRESTM; Chapter 22. Advancing Gastrointestinal PermeationEnhancement Formulations intothe 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 AbsorptionChapter 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 DeliveryChapter 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

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#### 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 VaginalColonic Oral mucosal Nasal PulmonaryProviding 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 challengesosmotic systems and Qtrol. Qdis. Matrix Systemsthiolated polymers for CR, Oradur. IDD technology, and chronotherapy technologyOral-lynTM

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