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Chapter 6. Cosmeceuticals: Isotretinoin (Accutane®), Tazarotene (Tazorac®), Minoxidil (Rogaine®), and Finasteride (Propecia®); 6.1 Isotretinoin; 6.1.1 Introduction to isotretinoin; 6.1.2 Synthesis of isotretinoin; 6.2 Tazarotene; 6.2.1 Introduction to tazarotene; 6.2.2 Synthesis of tazarotene; 6.3 Minoxidil; 6.3.1 Introduction to minoxidil; 6.3.2 Synthesis of minoxidil; 6.4 Finasteride; 6.4.1 Introduction to finasteride; 6.4.2 Synthesis of finasteride; 6.5 References; Chapter 7. Antibacterials: Ciprofloxacin (Cipro®) and Linezolid (Zyvox®); 7.1 Ciprofloxacin (Cipro®)
7.1.1 Introduction to ciprofloxacin 7.1.2 Synthesis of ciprofloxacin; 7.2 Linezolid (Zyvox®); 7.2.1 Introduction to linezolid; 7.2.2 Synthesis of linezolid; 7.3 References; Chapter 8. Atypical Antipsychotics; 8.1 Introduction; 8.2 Synthesis of risperidone; 8.3 Synthesis of olanzapine; 8.4 Synthesis of quetiapine fumarate; 8.5 Synthesis of ziprasidone; 8.6 Synthesis of aripiprazole; 8.7 References; Chapter 9. Atorvastatin Calcium (Lipitor®); 9.1 Background; 9.2 Synthesis of racemic atorvastatin; 9.3 Enantioselective syntheses of atorvastatin calcium; 9.4 References
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Sommario/riassunto

An integrated and insightful look at successful drug synthesis in today's drug discovery market The pharmaceutical industry is unquestionably vibrant today, with drug synthesis making a vital contribution. Whether in the early developmental stages of identifying and optimizing a lead, or the latter stages of process development and cost-effective scale-up, the ability to design elegant and economical synthetic routes is often a major factor in the eventual viability and commercial success of a drug.