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9 Total Synthesis of Oseltamivir and ABT-341 Using One-Pot TechnologyIntroduction; Results; a) Total Synthesis of (-)-Oseltamivir via Two One-Pot Processes; b) Total Synthesis of ABT-341 by One-Pot Sequence; Conclusions; CV of Yujiro Hayashi; CV of Hayato Ishikawa; References; 10 Enantioselective Annulations with Chiral N-Mesityl N-Heterocyclic Carbenes; Introduction; Catalytic Generation of Chiral Enolate Equivalents; Catalytic Generation of Homoenolate Equivalents; Enantioselective Cascade Reactions Catalyzed by Chiral N-Heterocyclic Carbenes
Catalytic Annulations via a, β -Unsaturated Acyl Azoliums

Sommario/riassunto

Continuing the proven and successful concept of the well-received textbook ""Asymmetric Synthesis - The Essentials"", this is a brief and timely update on the latest developments in asymmetric synthesis and selected applications in natural product synthesis, chemical industry and materials science. As such, it covers a broad range of topics in all important areas, including metal catalysis, organocatalysis, physical organic chemistry, and analytical chemistry. Each contribution is similarly structured, while the short biographies of the experts are a useful tool for students selecting t
