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Altri autori (Persone)	LiJie Jack
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Nota di contenuto	Name Reactions for Homologations: Part I; Foreword; Preface; Contributing Authors; Table of Contents; Chapter 1. Organometallics; Section 1.1 Palladium Chemistry; 1.1.1 Heck reaction; 1.1.2 Hiyama cross-coupling reaction; 1.1.3 Kumada cross-coupling reaction; 1.1.4 Negishi cross-coupling reaction; 1.1.5 Sonogashira reaction; 1.1.6 Stille coupling; 1.1.7 Suzuki coupling; 1.1.8 Tsuji-Trost reaction; Section 1.2 Organocopper Reagents; 1.2.1 Castro-Stephens coupling; 1.2.2 Glaser coupling; 1.2.3 Ullmann reaction; Section 1.3 Other Organometallic Reagents; 1.3.1 McMurry coupling 1.3.2 Nicholas reaction 1.3.3 Nozaki-Hiyama-Kishi reaction; 1.3.4 Tebbe olefination; Chapter 2. Carbon-Chain Homologations; 2.1 Arndt-Eistert homologation; 2.2 Morita-Baylis-Hillman reaction; 2.3 Benzoin condensation; 2.4 Corey-Fuchs reaction; 2.5 Henry reaction; 2.6 Horner-Wadsworth-Emmons reaction; 2.7 Julia-Lythgoe olefination; 2.8 Knoevenagel condensation; 2.9 Mukaiyama aldol reaction; 2.10 Peterson olefination; 2.11 Sakurai allylation reaction; 2.12 Stetter

reaction; 2.13 Wittig reaction; Chapter 3. Radical Chemistry; 3.1 Barton-McCombie deoxygenation; 3.2 Barton nitrite photolysis 3.3 Sandmeyer reaction 3.4 Wohl-Ziegler reaction; Appendixes; Appendix 1, Table of Contents for Volume 1: Name Reactions in Heterocyclic Chemistry; Appendix 2, Table of Contents for Volume 2: Name Reactions for Functional Group Transformations; Appendix 3, Table of Contents for Volume 4: Name Reactions for Homologations-2; Appendix 4, Table of Contents for Volume 5: Name Reactions for Ring Formations; Appendix 5, Table of Contents for Volume 6: Name Reactions in Heterocyclic Chemistry-II; Subject index

Sommario/riassunto

"A valuable addition to the literature by any measure and surely will prove its merit in years to come. The new knowledge that arises with its help will be impressive and of great benefit to humankind."-From the Foreword by E. J. Corey, Nobel Prize Laureate An invaluable guide to name reactions and reagents for homologations Name Reactions for Homologations, Part I of Wiley's Comprehensive Name Reactions series comprises a comprehensive treatise on name reactions for homologations. With contributions from world-recognized authorities in the field, this reference offers
