

1. Record Nr.	UNINA9911019089203321
Titolo	Multicomponent reactions // edited by Jieping Zhu, Hugues Bienayme
Pubbl/distr/stampa	Weinheim ; ; [Great Britain], : Wiley-VCH, c2005
ISBN	1-280-51964-9 9786610519644 3-527-60511-8 3-527-60424-3
Descrizione fisica	1 online resource (486 p.)
Classificazione	35.51
Altri autori (Persone)	BienaymeHugues ZhuJieping
Disciplina	547.2
Soggetti	Catalysis Chemical reactions Chemistry, Organic
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 index.
Nota di contenuto	Multicomponent Reactions; Contents; Preface; Contributors; 1 Asymmetric Isocyanide-based MCRs; 1.1 Introduction; 1.2 Racemization Issues; 1.3 Asymmetric Passerini Reactions; 1.3.1 Classical Passerini Reactions; 1.3.2 Passerini-type Reactions; 1.4 Asymmetric Intermolecular Ugi Reactions; 1.4.1 General Remarks; 1.4.2 Chiral Amines; 1.4.2.1 -Methylbenzylamines; 1.4.2.2 Ferrocenylamines; 1.4.2.3 Glycosylamines; 1.4.2.4 Esters of -amino Acids; 1.4.3 Chiral Isocyanides, Carboxylic Acids and Carbonyl Compounds; 1.4.4 Chiral Cyclic Imines; 1.5 Asymmetric Intramolecular Ugi Reactions 1.5.1 With -Amino Acids1.5.2 With Other Amino Acids; 1.5.3 With Keto Acids; 1.6 Other Asymmetric Isonitrile-based Multicomponent Reactions; 1.6.1 Tandem Ugi or Passerini Reaction/Intramolecular Diels-Alder (IMDA) Cyclizations; 1.6.2 Other Asymmetric Isonitrile-based Multicomponent Reactions; References; 2 Post-condensation Modifications of the Passerini and Ugi Reactions; 2.1 Convertible Isocyanides; 2.2 I-MCR Post-condensation Reactions in Synthesis of Open-chain Products; 2.2.1 Passerini 3CR + O-Deacylation; 2.2.2

Passerini-3CR + N-Deprotection + O N Acyl Migration

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Sommario/riassunto

In the very first book on this hot topic, the expert editors and authors present a comprehensive overview of these elegant reactions. From the contents: Organoboron compounds Free-radical mediated multicomponent coupling reactions Applications in drug discovery Metal catalyzed reactions Total synthesis of natural products Asymmetric isocyanide-based reactions The Biginelli reaction Asymmetric isocyanide-based reactions The Domino-Knoevenagel-Hetero-Diels-Alder Re
