



Multicomponent Reactions, Volume 2

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Edition : 1

Year : 2014

Pages : 626

ISBN : 9783131728517

Price : \$400.00

Description

The two volumes Science of Synthesis: Multicomponent Reactions critically review the state of the art of domino, sequential, and consecutive multicomponent reactions in what is a highly dynamic field. They serve as the basis for practical application to reach the goals of diversity-oriented synthesis, reaction design, and novel synthetic concepts. As is typical for the Science of Synthesis series, the reference work on multicomponent reactions presents the best synthetic methods as judged by experts in the field and includes typical and general experimental procedures.

The volume Reactions Involving an alpha,beta-Unsaturated Carbonyl Compound as Electrophilic Component covers the following topics:

- ▶ Michael Additions
- ▶ Wittig Reactions
- ▶ Cycloadditions
- ▶ Reactions Involving an alpha,beta-Unsaturated Carbonyl Compound as Electrophilic Component with Electron-Deficient Alkynes as Electrophiles
- ▶ Reactions with Cycloaddition as the Key Step
- ▶ Boron-Mediated Multicomponent Reactions
- ▶ Silicon-Mediated Multicomponent Reactions
- ▶ Free-Radical Mediated Multicomponent Reactions
- ▶ Metal-Mediated Multicomponent Reactions

