



## Multicomponent Reactions Workbench Edition, 2 Vol.

Author : Mueller

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### 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.

The following topics are covered: Biginelli Reaction, Strecker Reaction, Hantzsch Pyridine Synthesis, Mannich Reaction, Petasis Reaction, Willgerodt-Kindler Reaction, Kabachnik-Fields Reaction, Passerini Reaction, Ugi Reaction, Gewald Reaction (Vol. 1); Michael Additions, Wittig Reactions, Cycloadditions, Reactions Involving an  $\alpha$ -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 (Vol. 2).