



Science of Synthesis: Metal-Catalyzed Cyclization Reactions Vol. 2

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Description

Significant advances in metal-catalyzed reactions, especially cyclizations, have dramatically improved the efficiency of organic synthesis over the last three decades. To date these transformations are widely used in the area of synthesis of both natural products and therapeutic agents. "Science of Synthesis: Metal-Catalyzed Cyclization Reactions" presents the most commonly used and significant metal-catalyzed reactions for modern organic synthesis. The basic principles, the current state of the art, scope, limitations, and mechanism of these reactions are also discussed. Typical examples of target synthesis are provided to help inspire further applications.

Volume 2 covers epoxidations, aziridinations, cyclopropanations, and Pauson-Khand reactions, as well as a wide range of cycloaddition processes, radical cyclizations, and ring-closing metathesis.