



Biocatalysis in Organic Synthesis 2, Workbench Edition

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Description

The three Science of Synthesis volumes on Biocatalysis in Organic Synthesis present a broad contemporary overview on the state-of-the-art in enzymatic methods for asymmetric synthesis suitable for academics and industrial researchers working in the field of organic synthesis. The goal is to start a new wave of enthusiasm for biocatalysis in the broader community and to give an overview of the field. Biocatalysis in Organic Synthesis offers critical reviews of organic transformations by experts, including experimental procedures. The organization is based on the type of reaction performed under biocatalysis.

Volume 2 covers reactions involving the formation of C-C bonds. Addition of carbon nucleophiles at C-O and C-N double bonds are reviewed, as are methods for the formation of C-C bonds at arenes and additions to C-C double bonds. Other chapters present transamination and reductive amination reactions, reduction of carbonyl compounds, and the uses of epoxides in biocatalysis.