



Biocatalysis in Organic Synthesis 1, 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 1 begins with chapters discussing the historical development of the field, sources of enzymes and appropriate selection of catalysts, and general strategies employed in biocatalysis. This is followed by reviews of the biocatalytic hydrolysis of various substrates. The volume concludes with chapters devoted to biocatalytic isomerizations, and the synthesis of glycosides.