

PRACTICAL METHODS FOR BIOCATALYSIS AND BIOTRANSFORMATIONS 2

Editors

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Biocatalysts are increasingly used by chemists engaged in fine chemical synthesis within both industry and academia. Today, there exists a huge choice of high-tech enzymes and whole cell biocatalysts, which add enormously to the repertoire of synthetic possibilities.

Practical Methods for Biocatalysis and Biotransformations 2 focuses on the practical applications of enzymes and strains of microorganisms that are readily obtained or derived from culture collections. The sources of starting materials and reagents, hints, tips and safety advice (where appropriate) are given to ensure, as far as possible, that the procedures are reproducible. Comparisons to alternative methodology are given and relevant references to the primary literature are cited.

This second volume – which can be used on its own or in combination with the first volume – concentrates on new techniques and new enzyme families that have been reported since the first volume. Up-to-date protocols and industry examples are used to describe the function of biocatalysts in cutting edge applications by the leading academic and industrial research groups who developed them. There is significant potential in this developing field, including a more efficient means of applying biocatalysis that avoids environmental issues of current processing.

Practical Methods for Biocatalysis and Biotransformations 2 is an essential collection of biocatalytic methods for chemical synthesis which will find a place on the bookshelves of synthetic organic chemists, pharmaceutical chemists, and process R&D chemists in industry and academia.



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