

1. Record Nr.	UNISA996392367803316
Autore	Penry John <1559-1593.>
Titolo	The historie of Corah, Dathan, and Abiram, & c [[electronic resource]] : Numb. 16. Chap. Applied to the prelacy ministerie and church- assemblies of England. By Mr Iohn Penry, a martyr of Iesus Christ
Pubbl/distr/stampa	[Middelburg, : R. Schilders?], Imprinted in the yeare, 1609
Descrizione fisica	[4], 45, [1] p
Soggetti	Wales Church history Early works to 1800
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Place of publication and printer's name from STC. Running title reads: Of the ministrie of the Church of Engl. Some print show-through. Reproduction of original in the Bodleian Library.
Sommario/riassunto	eebo-0014

2. Record Nr.	UNINA9910970230403321
Titolo	Practical methods for biocatalysis and biotransformations 2 // edited by John Whittall, Peter W. Sutton
Pubbl/distr/stampa	Hoboken, : John Wiley & Sons Inc., 2012
ISBN	9786613621641 9781118307861 1118307860 9781280591815 1280591811 9781118307854 1118307852 9781119943426 1119943426 9781119943419 1119943418
Edizione	[2]
Descrizione fisica	1 online resource (390 p.)
Altri autori (Persone)	WhittallJohn SuttonPeter (Peter W.)
Disciplina	572
Soggetti	Enzymes - Biotechnology Biotransformation (Metabolism) Organic compounds - Synthesis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	PRACTICAL METHODS FOR BIOCATALYSIS AND BIOTRANSFORMATIONS 2; Contents; List of Contributors; Abbreviations; 1 Biocatalysis in the Fine Chemical and Pharmaceutical Industries; 1.1 Introduction; 1.2 Biotrans Outsourcing - AstraZeneca; 1.3 Biotrans Trends - Lonza; 1.4 Biocatalysis in the Pharma Environment; 1.5 Industrial Use of Hydrolases; 1.6 Industrial Biooxidation and Reduction; 1.7 Industrial Application of Transaminases - Cambrex; 1.8 Biocatalyst Discovery and Improvement; 1.9 From Pathway Engineering to Synthetic Biology 1.10 Prioritization of Future Biocatalysis and Synthetic Biology Needs1.

11 Concluding Remarks; Acknowledgements; References; 2 Reductive Amination; 2.1 α -Transaminases - Useful Biocatalysts for Chiral Amine Synthesis; 2.2 Preparative Scale Production of a Bulky-Bulky Chiral Amine Using an Engineered Transaminase; 2.3 Synthesis of Optically Pure Amines Employing α -Transaminases; 2.4 A Fast, Sensitive Assay and Scale-Up of α -Transaminase Catalysed Reactions; 2.5 Asymmetric Synthesis of L-3-Hydroxyadamantylglycine Using Branched Chain Aminotransferase

2.6 Asymmetric Reduction of Aryl Imines Using *Candida parapsilosis* ATCC 73303 Enoate Reductases for Reduction of Electron Deficient Alkenes; 3.1 Asymmetric Bioreduction of Activated Alkenes Using Ene-Reductases from the Old Yellow Enzyme Family; 3.2 Efficient Baker's Yeast Mediated Reduction with Substrate Feeding Product Removal (SFPR) Technology: Synthesis of (S)-2-Alkoxy-3-Aryl-1-Propanols; 3.3 Asymmetric Reduction of (4S)-(+)-Carvone Catalyzed by Enoate Reductases (ERs) Expressed by Non-Conventional Yeast (NCY) Whole Cells

3.4 Preparation of Enantiomerically Pure Citronellal Enantiomers Using Alkene Reductases 3.5 Highly Enantiomeric Hydrogenation of C-C Double Bond of Methylated N-Phenyl and N-Phenylalkylmaleimides by *Aspergillus fumigatus*; 4 Industrial Carbonyl Reduction; 4.1 Bioreduction Using Immobilized Carbonyl Reductase Technology; 4.2 Preparative Ketoreductase-Catalyzed Kinetic Resolution of a Racemic Aldehyde; 4.3 Enzymatic Reduction of 2,6-dichloro-3-fluoro-acetophenone to Produce (S)-1-(2,6-dichloro-3-fluorophenyl)ethanol

4.4 Preparative Scale Production of Poorly Soluble Chiral Alcohol Intermediate for Montelukast 5 Regio- and Stereoselective Hydroxylation; 5.1 Engineering of an *Amycolatopsis orientalis* P450 Compactin Hydroxylase into a Pravastatin Synthase by Changing the Stereospecificity of the Enzyme; 5.2 Recombinant Human Cytochrome P450 Enzymes Expressed in *Escherichia coli* as Whole Cell Biocatalysts: Preparative Synthesis of Oxidized Metabolites of an mGlu5 Receptor Antagonist; 5.3 Alpha-Keto Biooxidation Using *Cunninghamella echinulata* (DSM 63356)

5.4 Aromatic Hydroxylation: Preparation of 3,4-Dihydroxyphenylacetic Acid

Sommario/riassunto

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 is a "how-to" guide that 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)