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Chromatography for the Purification of Enzymes

Chapter 14 Fermentation of Lactic Acid Bacteria: State of the Art and New Perspectives

Chapter 15 The Bubble Column Reactor: A Novel Reactor Type for Cosmetic Esters; Chapter 16 Pharmaceutical Intermediates by Biocatalysis: From Fundamental Science to Industrial Applications; Chapter 17 Biocatalysis toward New Biobased Building Blocks for Polymeric Materials;

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1.4 Case Study: Manipulating Proline, Phenylalanine, and Methionine Residues in Lipase

1.5 "Unnatural" Lipases Are Able to Catalyze Reactions under Different Hostile Environments; 1.6 Lipase Engineering via Bioorthogonal Chemistries: Activity and Immobilization; 1.7

Conclusions and Perspectives; References; 2.1 Introduction; 2.2

Sequence- versus Function-Based Metagenomic Approach to Find Novel Biocatalysts; 2.3 Alternative Hosts, Metatranscriptomics, and

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Introduction; 4.2 Discussions; 4.3 Summary; References; 5.1 Introduction; 5.2 Computational Tools to Assist Biocatalysis Research;

5.3 From Active Site Analysis to Protein Stability Considerations; 5.4 Applying DoGSiteScorer and HYDE to Biocatalytical Questions; 5.5 Conclusion and Future Directions; Acknowledgments; References

6.1 Proteases in Industry
