

Publication

Artificial Metalloenzymes for Enantioselective Catalysis: Recent Advances

JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

ID 116743

Author(s) Letondor, Christophe; Ward, Thomas R.

Author(s) at UniBasel [Ward, Thomas R.](#) ;

Year 2006

Title Artificial Metalloenzymes for Enantioselective Catalysis: Recent Advances

Journal ChemBioChem

Volume 7

Number 12

Pages / Article-Number 1845-52

Keywords asymmetric catalysis, chemical mutation, chemogenetic optimization, enzymes

Creating new catalytic function in proteins. Anchoring an organometallic moiety within a protein affords artificial metalloenzymes for enantioselective catalysis. Both chemical and genetic tools can be applied in the optimization of such systems, which lie at the interface between homogeneous and enzymatic catalysis. This minireview presents the latest developments in the field of artificial metalloenzymes.

Publisher Wiley

ISSN/ISBN 1439-4227 ; 1439-7633

edoc-URL <http://edoc.unibas.ch/dok/A5254459>

Full Text on edoc No;

Digital Object Identifier DOI 10.1002/cbic.200600264

PubMed ID <http://www.ncbi.nlm.nih.gov/pubmed/17004276>

ISI-Number WOS:000242981500001

Document type (ISI) Journal Article, Review