



Biocombinatorial approaches for drug finding /

Wohlleben, W.
Spellig, T.
Müller-Tiemann, B.

Springer,
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Electronic books

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Monografía

Genome- and proteome-based research is generating a significant increase in the number of available drug targets. Correspondingly there is an increasing need for novel, diverse compounds, particularly based on natural compounds, as screening resource. The purpose of the Ernst Schering Research Foundation Workshop 51 was to provide a forum for an open exchange on perspectives and limitations of biocombinatorial synthesis and the significance of this technology for future drug discovery in light of this challenge. Experts from academia and industry provided contributions covering: the significance of natural compounds for state-of-the-art drug discovery; the underlying basic principle for the biosynthesis of highly complex compounds; and the scope and limitations of combinatorial biosynthesis regarding formation, identification, optimisation, isolation and manufacturing of novel biologically active entities

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Título: Biocombinatorial approaches for drug finding W. Wohlleben, T. Spellig, B. Müller-Tiemann, editors

Editorial: Berlin New York Springer ©2005

Descripción física: 1 online resource (xviii, 284 pages) illustrations (some color)

Mención de serie: Ernst Schering Research Foundation workshop 0947-6075 51

Documento fuente: Springer e-books

Bibliografía: Includes bibliographical references

Contenido: Protein Domain Fold Similarity and Natural Product Structure as Guiding Principles for Compound Library Design -- Sources of Polyketides and Non-Ribosomal Peptides -- Polyketide Synthases: Mechanisms and Models -- Functional and Structural Basis for Targeted Modification of Non-Ribosomal Peptide Synthetases -- Prerequisites for Combinatorial Biosynthesis: Evolution of Hybrid NRPS/PKS Gene Clusters -- Engineering Glycosylation in Bioactive Compounds by Combinatorial Biosynthesis -- Glycosyltransferases and Other Tailoring Enzymes as Tools for the Generation of Novel Compounds -- Enzymatic Incorporation of Halogen Atoms into Natural Compounds -- From Glucose to Antibiotics: What Controls the Fluxes? -- Precursor-Directed Biosynthesis for the Generation of Novel Glycopeptides -- Tool-Box: Tailoring Enzymes for Bio-Combinatorial Lead

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ISBN: 3540220925 hd. bd.) 9783540220923 hd. bd.) 9783540270553 electronic) 3540270558 electronic) 6610744076 9786610744077

Materia: Drug development- Congresses Bioactive compounds- Congresses Médicaments- Développement- Congrès Composés bioactifs- Congrès Bioactive compounds Drug Design Combinatorial Chemistry Techniques Peptide Biosynthesis Médicaments- Développement Composés bioactifs Drug development Biomédecine Sciences de la vie Bioactive compounds Drug development Drug Design Combinatorial Chemistry Techniques Peptide Biosynthesis

Autores: Wohlleben, W. Spellig, T. Müller-Tiemann, B.

Enlace a formato físico adicional: Print version Biocombinatorial approaches for drug finding. Berlin ; New York : Springer, ©2005 9783540220923 (OCOLC)57222109

Punto acceso adicional serie-Título: Ernst Schering Research Foundation workshop 51. 0947-6075

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es