
Contents

Regulation of Cephalosporin Biosynthesis

E. K. Schmitt · B. Hoff · U. Kück 1

Regulation of Penicillin Biosynthesis in Filamentous Fungi

A. A. Brakhage · P. Spröte · Q. Al-Abdallah · A. Gehrke · H. Plattner ·
A. Tüncher 45

Novel Genes Involved in Cephalosporin Biosynthesis: The Three-component Isopenicillin N Epimerase System

J. F. Martín · R. V. Ullán · J. Casqueiro 91

Compartmentalization and Transport in β -Lactam Antibiotics Biosynthesis

M. E. Evers · H. Trip · M. A. van den Berg · R. A. L. Bovenberg ·
A. J. M. Driessen 111

Control of Fluxes Towards Antibiotics and the Role of Primary Metabolism in Production of Antibiotics

N. Gunnarsson · A. Eliasson · J. Nielsen 137

Industrial Enzymatic Production of Cephalosporin-Based β -Lactams

M. S. Barber · U. Giesecke · A. Reichert · W. Minas 179

Biochemistry and General Genetics of Nonribosomal Peptide Synthetases in Fungi

H. von Döhren 217

Author Index Volumes 51–88 265

Subject Index 281

Molecular Biotechnology of Fungal β -Lactam Antibiotics
and Related Peptide Synthetases

Brakhage, A.A. (Ed.)

2004, XII, 284 p., Hardcover

ISBN: 978-3-540-22032-9