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Tóm tắt:
Biochemical Pathways examines the biochemistry of bacteria, plants, and animals. It offers a quick overview of the metabolic sequences in biochemical pathways, the chemistry and enzymology of conversions, the regulation of turnover, the expression of genes, the immunological interactions, and the metabolic background of health disorders. A standard set of conventions is used in all illustrations, enabling readers to easily gather information and compare the key elements of different biochemical pathways. For both quick and in-depth understanding, the book uses a combination of: * Illustrations integrating many different features of the reactions and their interrelationships; * Tables listing the important system components and their function; * Text supplementing and expanding on the illustrated facts.

Mô tả:
412p.

Các tập tin trong tài liệu này

Tên tập tin: biochemical_pathw ...
Dung lượng: 42.54Mb
Định dạng: PDF

Tài liệu này xuất hiện trong Bộ sưu tập

- Hóa học (Chemistry) [389]

Tim trong Tài nguyên Thông tin
Biochemical Pathways examines the biochemistry of bacteria, plants, and animals. It offers a quick overview of the metabolic sequences in biochemical pathways, the chemistry and enzymology of conversions, the regulation of turnover, the expression of genes, the immunological interactions, and the metabolic background of health disorders. Biochemical Pathways, Second Edition is recommended for all students and researchers in such fields as biochemistry, molecular biology, medicine, organic chemistry, and pharmacology. The book’s illustrated pathways aids the reader in understanding the complex set of biochemical reactions that occur in biological systems.

From the reviews Biochemical Pathways Posters available from Roche Applied Science Gerhard Michal’s famous biochemical pathways posters have been a valuable resource for the global biochemistry community since 1968. Updated and revised, the Biochemical Pathways Wallcharts are an ideal companion to this text. Paired together, the book and wallcharts are perfect for researchers and students in biochemistry, biology, medicine, and physiology. Library of Congress Cataloging-in-Publication Data: Biochemical pathways: an atlas of biochemistry and molecular biology / edited by Dietmar Schomburg, Gerhard Michal. - - 2nd ed. p. cm. Includes bibliographical references and index. ISBN 978-0-470-14684-2 1. Metabolism--Atlases. I. Schomburg, D. (Dietmar) II. Michal, Gerhard. Biochemical Pathways: An Atlas of Biochemistry and Molecular Biology (Second Edition). Hoboken, NJ: John Wiley & Sons. Glycolysis and Gluconeogenesis. Glycolysis (Embden-Meyerhof Pathway) is the conversion of glucose (hexoses) to pyruvate. Glycolysis is a key metabolic pathway. It takes place in almost all living cells and supplies energy (ATP), reducing equivalents (NADH) and converts carbohydrates into compounds which undergo terminal oxydation (acetyl-CoA) or are used for biosynthesis. When the reactions flow the other way, glucose is synthesized from non-carbohydrate sources (Gluconeog "Biochemical Pathways, Second Edition is recommended for all students and researchers in such fields as biochemistry, molecular biology, medicine, organic chemistry, and pharmacology. The book’s illustrated pathways aids the reader in understanding the complex set of biochemical reactions that occur in biological systems.” (Kingbook73.blogspot, 23 April 2013). "This book, not too scary to read thanks to its compact size, served as a great reading for the incoming graduate students from the biology department and the chemical engineering department alike." (Biotechnology Journal, 1 January Articles > Chemistry > Biochemistry > Biochemical Pathways: An Atlas of Biochemistry and Molecular Biology by G. Michal. Biochemical Pathways: An Atlas of Biochemistry and Molecular Biology by G. Michal. Posted on Dec 07, 2006. Biochemical Pathways: An Atlas of Biochemistry and Molecular Biology. AUTHORS: Gerhard Michal. The book "Biochemical Pathways..." is the book of choice if you quickly need information on a particular biochemical reaction, substrate or enzyme and serves well as an excellent reference guide. It is a comprehensive book version of the well-known Boehringer Mannheim wallchart "Biochemical Pathways" that can surely be found in almost every laboratory on the world.