

Medicinal Natural Products: A Biosynthetic Approach

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Reviews

Complete information for publication fans. Better then never, though i am quite late in start reading this one. Its been written in an extremely straightforward way in fact it is just soon after i finished reading this ebook in which basically altered me, change the way i believe.

(Ellie Stark)

MEDICINAL NATURAL PRODUCTS: A BIOSYNTHETIC APPROACH



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Wiley India Pvt. Ltd., New Delhi, 2012. Soft cover. Book Condition: New. Medicinal Natural Products: A Biosynthetic Approach Third Edition provides a comprehensive and balanced introduction to natural products from a biosynthetic perspective focusing on the metabolic sequences leading to various classes of natural products. The book builds upon fundamental chemical principles and guides the reader through a wealth of diverse natural metabolites with particular emphasis on those used in medicine. There have been rapid advances in biosynthetic understanding over the past decade through enzymology, gene isolation and genetic engineering. Medicinal Natural Products has been extended and fully updated in this new edition to reflect and explain these developments and other advances in the field. It retains the user friendly style and highly acclaimed features of previous editions: A comprehensive treatment of plant microbial and animal natural products in one volume. Extensive use of chemical schemes with annotated mechanistic explanations. Cross referencing to emphasize links and similarities. Boxed topics giving further details of medicinal materials covering sources production methods, use as drugs semi-synthetic derivatives and synthetic analogues and modes of action. Medicinal Natural Products: A Biosynthetic Approach Third Edition is an invaluable textbook for students of pharmacy pharmacognosy medicinal chemistry biochemistry and natural products chemistry. Contents: 1. About This Book, And How To Use It. 2. Secondary Metabolism: The Building Blocks and Construction Mechanisms. 3. The Acetate Pathway: Fatty Acids and Polyketides. 4. The Shikimate Pathway: Aromatic Amino Acids and Phenylpropanoids.5. The Mevalonate and Methylerythritol Phosphate Pathways: Terpenoids and Steroids. 6. Alkaloids. 7. Peptides, Proteins, and Other Amino Acid Derivatives.8. Carbohydrates. Index. Page Extent: x + 540.

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