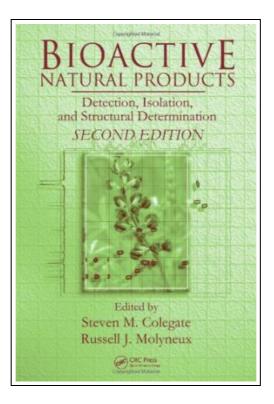
Bioactive Natural Products: Detection, Isolation, and Structural Determination (Hardback)



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Reviews

A very amazing publication with perfect and lucid information. We have read through and that i am certain that i will planning to study once more yet again in the future. You will not really feel monotony at anytime of the time (that's what catalogues are for about should you question me). (Matilda Hoeger V)

BIOACTIVE NATURAL PRODUCTS: DETECTION, ISOLATION, AND STRUCTURAL DETERMINATION (HARDBACK)



Taylor Francis Inc, United States, 2007. Hardback. Book Condition: New. 2nd Revised edition. 257 x 178 mm. Language: English . Brand New Book. Bioactive natural products are proving to be a rich source of novel therapeutics to both protect against and combat diseases, as well as serve as lead compounds in crop protection. Following the successful format of the first edition, this volume brings together collective research from many new contributors and emphasizes the rationale behind the successful detection, isolation, and structure determination of specific compounds. The text encompasses a diverse range of techniques that can be applied to terrestrial and aquatic sources. It also allows you to understand how source material can be selected to enhance your opportunity to discover and utilize novel bioactive natural products. New to the Second Edition- * Advances in the application of NMR spectroscopy and mass spectrometry, bioactive chemical detection and extraction, dereplication, and novel bioassay development * New case studies and illustrations that demonstrate the practical applications of specific techniques * A group of new contributors presenting research from their own laboratories that emphasize both the philosophy and rationale behind detection, isolation, and structural determination Following an overview of natural product chemistry techniques and approaches, many new chapters discuss selection of source material, quantitative NMR, high speed counter-current chromatography, dereplication of extracts, and methods to determine the stereochemistry of bioactive natural products. Examinations of new technologies including LC-NMR, biosensors, and biofingerprinting accompany discussions on the search for specific activities in anticancer and antimalarial applications, seed germination stimulation, and mammalian toxicity. With the participation from active researchers, this definitive work supplies a vital extension and an enduring contribution to the science and art of bioactive natural product detectio

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