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Bioassay Methods in Natural Product Research and Drug Development

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Book Condition: New. Publisher/Verlag: Springer Netherlands | Bioassay Methods in Natural Product Research and Drug Development contains the proceedings from the Phytochemical Society of Europe's very successful symposium on this topic, held August 24-27, 1997 in Uppsala, Sweden. In this volume, leading academic and industrial scientists discuss novel methods for assaying natural products to find new structure-activity relationships. Of key importance in this process is the availability and reliability of specific bioassay methods, but chapters also discuss chemical and biological diversity and how to dereplicate natural product extracts to increase efficiency in lead discovery. Anti-tumor, HIV-inhibitory, antiprotozoal, anti-infective and immunomodulatory natural products are discussed. Various industrial projects are presented for the first time. This volume bridges the gap between academic and industrial research and scientists, and should be required reading in drug companies and faculties of pharmacy, as well as serving scientists in pharmacognosy, pharmacology, phytochemistry, natural products and drug discovery. | Plant Biodiversity - Evolutionary and Ecological Perspectives; T. Elmqvist. Chemodiversity and the Biological Role of Secondary Metabolites, Some Thoughts for Selecting Plant Material for Drug Development; R. Verpoorte. Evolving Strategies for the Selection, Dereplication and Prioritization of Antitumor and HIV-Inhibitory Natural Products Extracts; J.H. Cardellina II, et al....

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