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A Review of: "NATURAL PRODUCTS ISOLATION (Separation Methods for Antimicrobials, Antiviral and Enzyme Inhibitors; Journal of Chromatography Library, No. 43). G.H. Wagman R. Cooper, Eds. Elsevier, Amsterdam; New York; 1989; 616 pages, $139.00"

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BOOK REVIEW

NATURAL PRODUCTS ISOLATION
(Separation Methods for Antimicrobials, Antiviral and Enzyme Inhibitors; Journal of Chromatography Library, No. 43).

G.H. Wagman and R. Cooper, Eds.

Elsevier, Amsterdam; New York; 1989; 616 pages, $139.00

The 14 chapters of this work comprise : 1. Countercurrent Chromatography, by J.B. McAlpine and J.E. Hochlowski; 2. HPLC Detection Methods for Microbial Products from Fermentation Broth, by R. Mierzwa, J.A. Marquez, M. Patel and R. Cooper; 3. Affinity and HPLC Purification of Glycopeptide Antibiotics, by R.D. Sitrin and G.F. Wasserman; 4. Nikkomycins and Polyoxins, by H-P. Fiedler; 5. Saframycins and Isoquinolines, by T. Arai; 6. New Cephalosporins, by S. Harada; 7. Monocyclic Beta-Lactam Antibiotics, by W.L. Parker; 8. Isolation of Carbapenems, by K.E. Wilson; 9. Avermectins and Related Compounds, by T. Miller and V.P. Gullo; 10. Bioactive Compounds from Marine Organisms and Cultivated Blue-Green Algae, by J.S. Mynderse, L.W. Crandall and J.H. Cardellina II; 11. The Interferons, by S. Pestka; 12. Enzyme Inhibitors Produced by Microorganisms, by H. Umezawa; 13. Alkaloidal Glycosidase Inhibitors from Plants, by L.E. Fellows and G.W.J. Fleet; 14. Chemical Communications and Control of Development, by C.E. Smith, J.D. Orr and D.G. Lynn.

The first chapter describes in detail the methodology of (preparative) countercurrent chromatography, with many examples of specific applications. The other chapters mainly treat the chromatographic isolation of specific classes of compounds. The book is directly reproduced from various typescripts. Most of the chapters are quite legible, but the printer did not bother to account for differences between heavily typed and lightly typed contributions, causing the print

in some of them to be so faint as to be barely legible (see, e.g., chapter 4). That flaw apart, this work is strongly recommended to all who are involved in the purification of antibiotics and similar natural products.

Carel J. van Oss