



# Modern Alkaloids: Structure, Isolation, Synthesis, and Biology

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**Modern Alkaloids: Structure, Isolation, Synthesis, and Biology** From Brand: Wiley-VCH

This book presents all important aspects of modern alkaloid chemistry, making it the only work of its kind to offer up-to-date and comprehensive coverage. While the first part concentrates on the structure and biology of bioactive alkaloids, the second one analyzes new trends in alkaloid isolation and structure elucidation, as well as in alkaloid synthesis and biosynthesis.

A must for biochemists, organic, natural products, and medicinal chemists, as well as pharmacologists, pharmacists, and those working in the pharmaceutical industry.

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"A very well developed text ... .The book would be of interest to graduate students and specifically to researchers in pharmacognosy and medicinal chemistry. I highly recommend this text." (*Journal of Medicinal Chemistry*, February 2008)

"...the book fulfills its titled objectives and is a useful collection of reviews." (*Journal of the American Chemical Society*, August 27, 2008)

"This book uses the interplay between the chemistry and biology of alkaloids...to weave an excellent picture of the current state-of-the-art in this field." (*Chemistry & Industry*, May 2008)

"I recommend Modern Alkaloids warmly to everybody who is interested in natural product chemistry." (*Angewandte Chemie*, 2008-47/15)

"An interesting book which achieves its purpose of surveying representative examples of the broad and healthy area of current active alkaloid research" (*Chemistry World*, May 2008)

### From the Back Cover

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### About the Author

Ernesto Fattorusso was assistant professor at the University of Naples (1963-75); in 1975 he became full Professor of Organic Chemistry at the Faculty of Science. In 1980 he moved to the Faculty of Pharmacy, where he was elected Dean twice. In 2002 he won the A. Quilico Award (Societ? Chimica Italiana) and in 2004 the P. Scheuer Award (Akademie of Erfurt). He has published more than 300 research papers.

Orazio Taglialatela Scafati got the Ph.D. in "Bioactive Natural Products" in 1997, under the supervision of Prof. Fattorusso. Currently, he is Associate Professor in Organic Chemistry, Faculty of Pharmacy, University of Naples "Federico II".

His research interests deal with isolation, structure elucidation and semisynthetic transformations of bioactive secondary metabolites from marine invertebrates and terrestrial plants. He is the author of 45 research papers and the editor of the book "Flavour and Fragrance Chemistry".

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