



Heterocyclic Compounds in Medicinal Chemistry, 2nd Edition

Guest Editors:

Dr. Valentina Noemi Madia

Department of Science, Section
of Biomedical Sciences and
Technologies, Roma Tre
University, Viale Guglielmo
Marconi 446, 00146 Rome, Italy

Dr. Davide Ialongo

Istituto Pasteur-Fondazione
Cenci Bolognetti, Dipartimento di
Chimica e Tecnologie del
Farmaco, Sapienza University of
Rome, p.le Aldo Moro 5, I-00185
Rome, Italy

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Message from the Guest Editors

Most of the organic compounds used as therapeutics, as well as intermediates utilized for their synthesis, contain heterocyclic motifs. A heterocycle is a ring with at least one atom that is not carbon. Nitrogen, oxygen, and sulfur are the primary elements seen in common heterocycles, and they play a critical role in drug discovery. Furthermore, there are a plethora of natural products which are heterocycles that serve as the basis for many different substances, including alkaloids, vitamins, hormones, dyes, antibiotics, herbicides, or nutraceuticals. Over the past decades, much attention has been devoted to the development and pharmacological studies of heteroaromatic organic compounds that are currently considered privileged scaffolds for different therapeutic agents. Indeed, they are involved in a wide range of biological activities, representing nearly 60% of all FDA-approved drugs. This Special Issue will publish research papers with topics including, but not limited to, the preparation of aromatic and non-aromatic heterocycles endowed with any biological action.





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Bioquímica (DQB) e Centro de
Química Estrutural (CQE),
Institute of Molecular Sciences,
Faculdade de Ciências,
Universidade de Lisboa, Lisboa,
Portugal

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