

Mini-Reviews in Medicinal Chemistry

THEMATIC ISSUE

An Approach to Heterocyclic-Fused Quinone and Anthraquinone Derivatives: Synthesis, Isolation and Theoretical Calculations for Treatment of Chronic Diseases

Aims & Scope:

The aim of Mini-Reviews in Medicinal Chemistry is to publish short reviews on the important recent developments in medicinal chemistry and allied disciplines.

Mini-Reviews in Medicinal Chemistry covers all areas of medicinal chemistry including developments in rational drug design, synthetic chemistry, bioorganic chemistry, high-throughput screening, combinatorial chemistry, drug targets, and natural product research and structure-activity relationship studies.

Mini-Reviews in Medicinal Chemistry is an essential journal for every medicinal and pharmaceutical chemist who wishes to be kept informed and up-to-date with the latest and most important developments.

Abstract:

In nature diverse compounds have been found that, in the antiquity, were the base for treatment of several ailments and chronic diseases, highlighting their therapeutic properties in the folklore medicine. Many of these compounds have multiple chemical structures and a wide pharmacological activity, being useful in the treatment of diseases of high complexity as Parkinson, Alzheimer's disease, etc. Notwithstanding, at present the commercial drugs are in many cases unspecific, and in the period of its administration have presented side effects that delay the mitigation either of pain or inconveniences in the patient. Thus, it has been seen that chemical structures type quinone are present in many compounds, having a big responsibility in the successful medical treatment for having extended carbon systems with planar moieties that favor the intercalation among aminoacid residues and specific receptors from determined pathogens. Quinone moieties inside complex chemical structures represent the interest of many researchers to incorporate the above mentioned fragments in the commercial organic synthesis and in the study of new natural products with effective medical applications. The effectiveness of these drugs is related specially to the diseases called chronic that, in according to many references, are referred as Allergy, Alzheimer's Disease Caregivers, Asthma, Breast Cancer, Diabetes, Epilepsy, Heart Disease among others.

Therefore, the aim of this special issue is to compile diverse reviews of the possible and future therapeutic applications of compounds or commercial medicines, synthesis, isolation of natural products and theoretical studies of structure-activity relationship of heterocycle and hydro-carbon compounds that incorporate quinone fragments/moieties in the early application or treatments supported in the time against diseases called chronic. The critical and objective vision of these contributions will help us to comprise and emphasize the advances in this field of the organic and/or medicinal chemistry.

Guest Editor:

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Important Dates

Submission deadline:

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