



European Journal of Medicinal Chemistry Vol 78, 2014

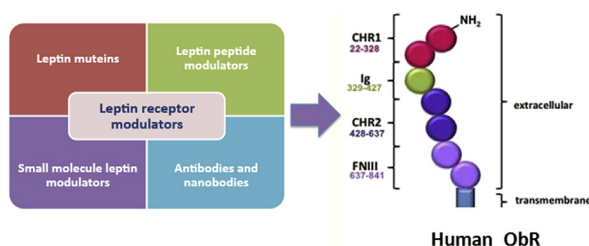
Contents

REVIEW ARTICLE

Therapeutic potential of leptin receptor modulators

pp. 97–105

Antonella Leggio, Stefania Catalano, Rosaria De Marco, Ines Barone, Sebastiano Andò* and Angelo Liguori*



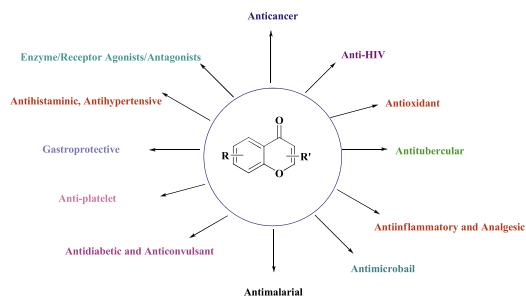
MINI-REVIEW

Chromones as a privileged scaffold in drug discovery: A review

pp. 340–374

Rangappa S. Keri*, Srinivasa Budagumpi, Ranjith Krishna Pai and R. Geetha Balakrishna

The present review focuses on the pharmacological profile of chromone derivatives in the current literature with an update of recent research and the perspectives that they hold for future research.

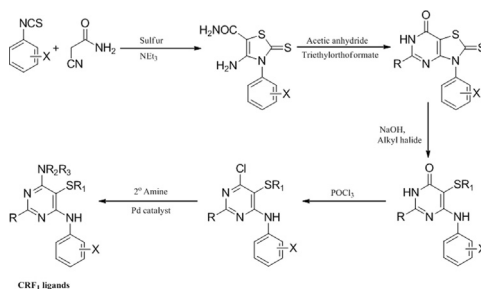


ORIGINAL ARTICLES

Synthesis of substituted pyrimidines as corticotropin releasing factor (CRF) receptor ligands

pp. 1–9

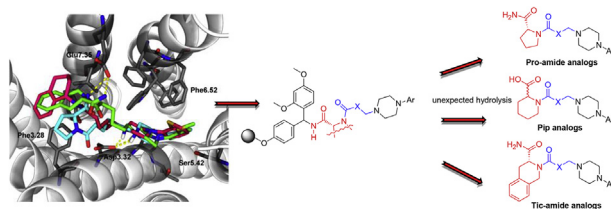
Bhimanna Kuppast, Katerina Spyridaki, George Liapakis and Hesham Fahmy*



Solid-supported synthesis, molecular modeling, and biological activity of long-chain arylpiperazine derivatives with cyclic amino acid amide fragments as 5-HT₇ and 5-HT_{1A} receptor ligands

pp. 10–22

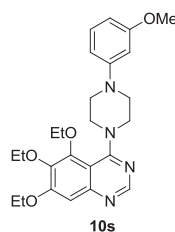
Vittorio Canale, Paweł Guzik, Rafał Kurczab, Pascal Verdie, Grzegorz Satała, Bartłomiej Kubica, Maciej Pawłowski, Jean Martinez, Gilles Subra, Andrzej J. Bojarski and Paweł Zajdel*

**Synthesis and anticancer activities of 4-(4-substituted piperazin)-5,6,7-trialkoxy quinazoline derivatives**

pp. 23–34

Ying Zhang, Yin-Jiu Huang, Hong-Mei Xiang, Pei-Yi Wang, De-Yu Hu, Wei Xue, Bao-An Song* and Song Yang*

A series of new 4-(4-substituted piperazin)-5,6,7-trialkoxy quinazoline derivatives was prepared and found to possess good antiproliferation, and apoptosis-inducing effects on A549 cells.



IC₅₀ values: 1.8, 2.8, 1.3, and 2.9 μM for PC3, MGC803, A375, and A549 cells, respectively.

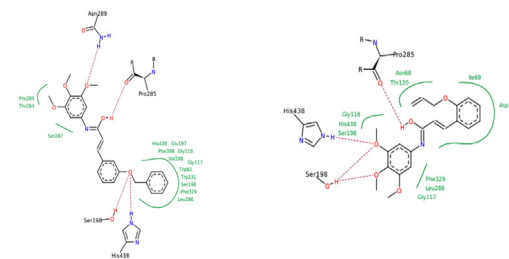
Cell cycle arrest: 90.7% at G0/G1 phase, 10 μM after 24 h.

Synthesis, cytotoxicity and molecular modelling studies of new phenylcinnamide derivatives as potent inhibitors of cholinesterases

pp. 43–53

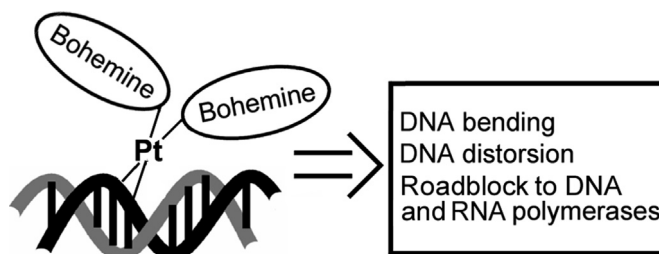
Aamer Saeed, Parvez Ali Mahesar, Sumera Zaib, Muhammad Siraj Khan, Abdul Matin, Mohammad Shahid and Jamshed Iqbal*

Interaction diagrams of compound **3a** (left) and **3l** (right) inside the active site pocket of huBChE.

**Conformation and recognition of DNA damaged by antitumor cis-dichlorido platinum(II) complex of CDK inhibitor bohemeine**

pp. 54–64

Olga Novakova, Barbora Liskova, Jana Vystrcilova, Tereza Suchankova, Oldrich Vrana, Pavel Starha, Zdenek Travnicek and Viktor Brabec*



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