



European Journal of Medicinal Chemistry Vol 70, 2013

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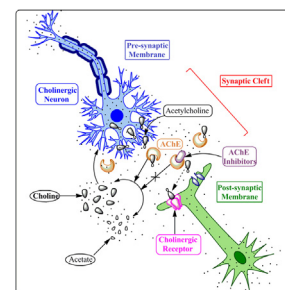
REVIEW ARTICLE

Acetylcholinesterase inhibitors as Alzheimer therapy: From nerve toxins to neuroprotection

pp. 165–188

Manjinder Singh, Maninder Kaur, Hitesh Kukreja, Rajan Chugh, Om Silakari and Dhandeep Singh*

The role of anti-AChE has been reassessed from neurotoxins to neuron-protective in the diseases characterized by impaired acetylcholine-mediated neurotransmission.

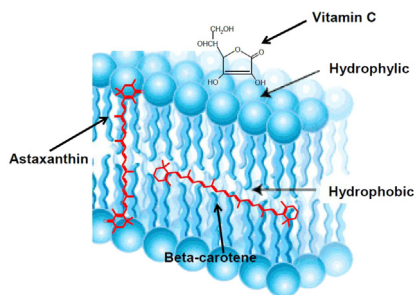


MINI-REVIEWS

Health protective effects of carotenoids and their interactions with other biological antioxidants

pp. 102–110

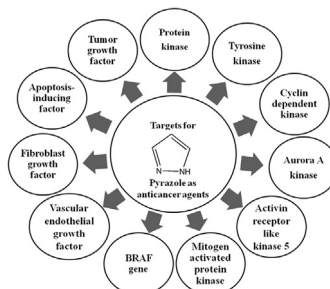
Klaudia Jomova and Marian Valko*



Pyrazole scaffold: A remarkable tool in the development of anticancer agents

pp. 248–258

Harish Kumar*, Deepika Saini, Sandeep Jain and Neelam Jain

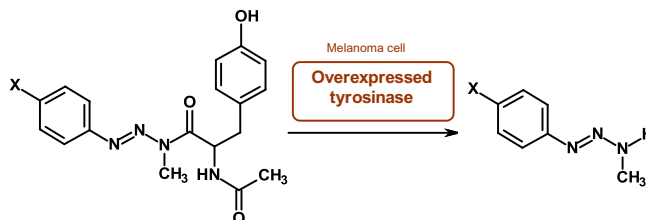


ORIGINAL ARTICLES

Synthesis and evaluation of *N*-acylamino acids derivatives of triazenes. Activation by tyrosinase in human melanoma cell lines

pp. 1–9

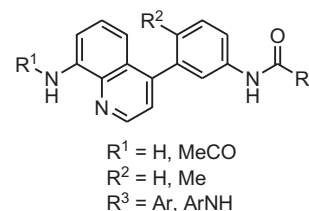
Ana Sofia Monteiro, Joana Almeida, Guadalupe Cabral, Paulo Severino, Paula A. Videira, Ana Sousa, Rafael Nunes, João D. Pereira, Ana Paula Francisco, M. Jesus Perry and Eduarda Mendes*

**New diarylamides and diarylureas possessing 8-amino(acetamido)quinoline scaffold: Synthesis, antiproliferative activities against melanoma cell lines, kinase inhibition, and *in silico* studies**

pp. 10–21

Eun Jeong Koh, Mohammed I. El-Gamal, Chang-Hyun Oh, So Ha Lee, Taebo Sim, Garam Kim, Hong Seok Choi, Jun Hee Hong, Sang-gi Lee and Kyung Ho Yoo*

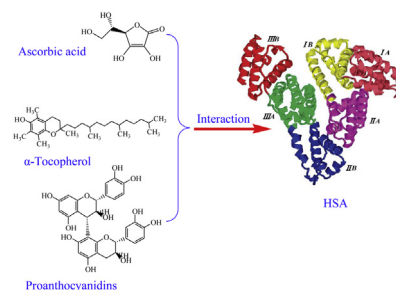
A series of diarylureas and diarylamides possessing 4-aryl-8-amino(acetamido)quinoline scaffold was synthesized. Their *in vitro* antiproliferative activities against ten melanoma cell lines, MEK/ERK kinase inhibition, and *in silico* studies are reported.

**Study of interaction between human serum albumin and three antioxidants: Ascorbic acid, α -tocopherol, and proanthocyanidins**

pp. 22–36

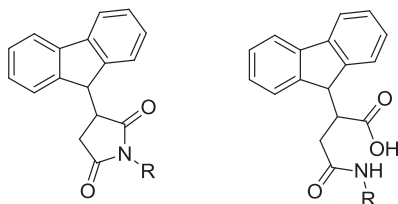
Xiangrong Li, Dejun Chen, Gongke Wang and Yan Lu*

The binding of ascorbic acid, α -tocopherol and proanthocyanidins to human serum albumin.

**Design, chemical synthesis of 3-(9*H*-fluoren-9-yl)pyrrolidine-2,5-dione derivatives and biological activity against enoyl-ACP reductase (InhA) and *Mycobacterium tuberculosis***

pp. 37–48

Tetiana Matviuk, Frédéric Rodriguez, Nathalie Saffon, Sonia Mallet-Ladeira, Marian Gorichko, Ana Luisa de Jesus Lopes Ribeiro, Maria Rosalia Pasca, Christian Lherbet*, Zoia Voitenko and Michel Baltas*



- Inhibition of InhA up to 95% at 50 μM
- Activities against TB and MDR-TB up to 2 $\mu\text{g/mL}$ (5 μM)

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