

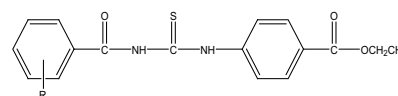
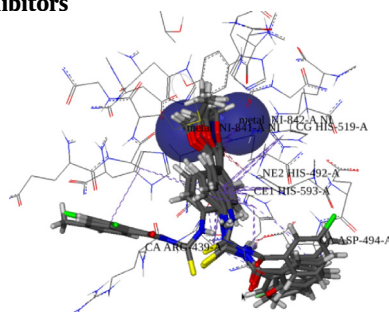
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### Regular Articles

#### Design, synthesis, molecular docking studies and *in vitro* screening of ethyl 4-(3-benzoylthioureido) benzoates as urease inhibitors

pp 1-7

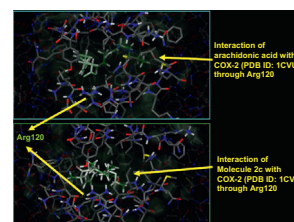
Aamer Saeed, Muhammad Siraj Khan, Hummera Rafique, Mohammad Shahid and Jamshed Iqbal\*



#### Synthesis of new ibuprofen derivatives with their *in silico* and *in vitro* cyclooxygenase-2 inhibitions

pp 8-15

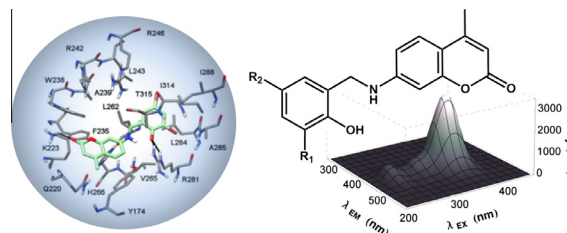
Cevher Gundogdu-Hizliates, Hakan Alyuruk, Mustafa Gocmenturk, Yavuz Ergun and Levent Cavas\*



#### Interaction of anticancer reduced Schiff base coumarin derivatives with human serum albumin investigated by fluorescence quenching and molecular modeling

pp 16-23

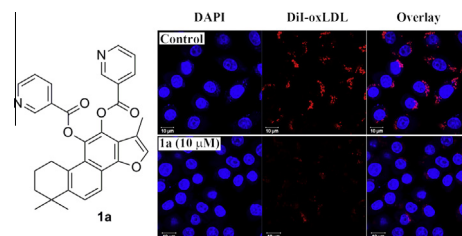
Orsolya Dömötör, Tiziano Tuccinardi, Dariusz Karcz, Maureen Walsh, Bernadette S. Creaven and Éva A. Enyedy\*



### Syntheses of diacyltanshinol derivatives and their suppressive effects on macrophage foam cell formation by reducing oxidized LDL uptake

pp 24–30

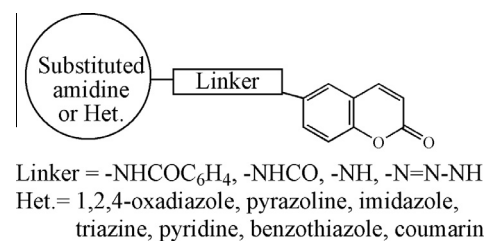
Xi Cheng, Da-Li Zhang, Xiao-Bing Li, Jian-Tao Ye, Lei Shi, Zhi-Shu Huang, Lian-Quan Gu and Lin-Kun An\*



### New series of 6-substituted coumarin derivatives as effective factor Xa inhibitors: Synthesis, *in vivo* antithrombotic evaluation and molecular docking

pp 31–43

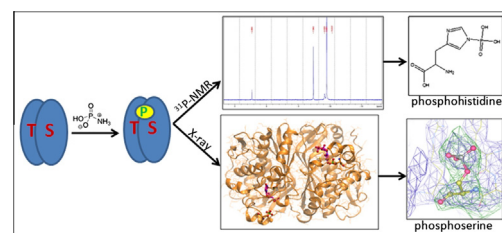
Kamelia M. Amin, Nagwa M. Abdel Gawad, Doaa E. Abdel Rahman\* and Mohamed K.M. El Ashry



### Crystal structure of phosphoramidate-phosphorylated thymidylate synthase reveals pSer127, reflecting probably pHis to pSer phosphotransfer

pp 44–49

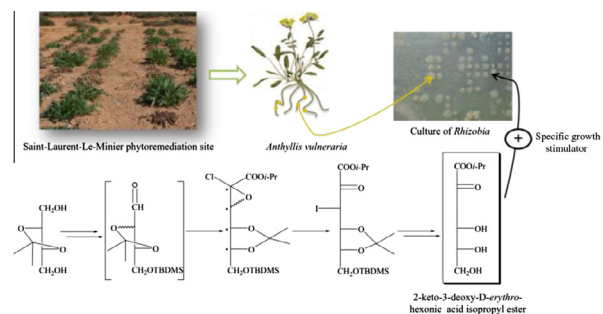
Piotr Wilk, Adam Jarmuła, Tomasz Ruman, Katarzyna Banaszak, Wojciech Rypniewski, Joanna Cieśla, Anna Dowierciał and Wojciech Rode\*



### A simple synthesis of 2-keto-3-deoxy-D-erythro-hexonic acid isopropyl ester, a key sugar for the bacterial population living under metallic stress

pp 50–55

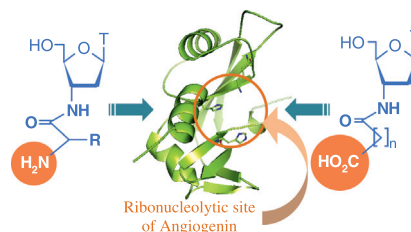
Claire M. Grison,\* Brice-Loïc Renard and Claude Grison



## Amino and carboxy functionalized modified nucleosides: A potential class of inhibitors for angiogenin

pp 56–61

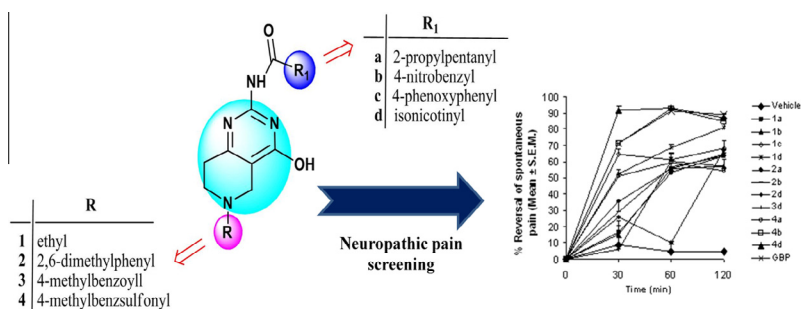
Joy Debnath,\* Swagata Dasgupta and Tanmaya Pathak



## Discovery of tetrahydropyrido[4,3-d]pyrimidine derivatives for the treatment of neuropathic pain

pp 69–76

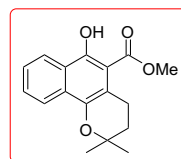
Monika Sharma, Vanamala Deekshith, Arvind Semwal, Dharmarajan Sriram and Perumal Yogeewari\*



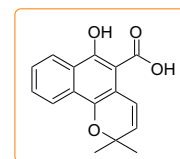
## Synthesis of novel and diverse mollugin analogues and their antibacterial and antioxidant activities

pp 77–82

Akber Idhayadhulla, Likai Xia, Yong Rok Lee,\* Sung Hong Kim, Young-Jung Wee and Chong-Soon Lee



2,3-Dihydromollugin (2)

Potent DPPH scavenger: IC<sub>50</sub> = 0.52 μM

Compound 3

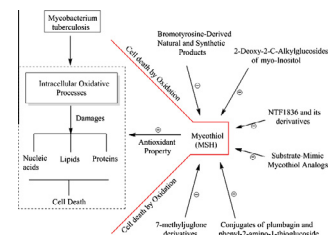
Highly active against the *S. aureus* bacterial strain at a level similar to ciprofloxacin

## Review Article

### Mycothiol: A promising antitubercular target

pp 62–68

S.S. Nilewar and M.K. Kathiravan\*



\*Corresponding author