

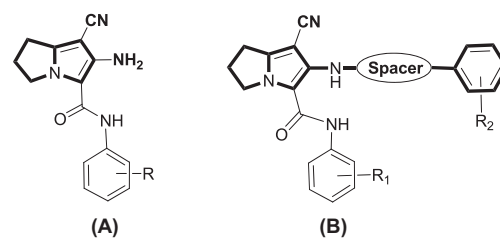
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## Regular Articles

### Design, synthesis and pharmacological evaluation of novel pyrrolizine derivatives as potential anticancer agents

pp 1–7

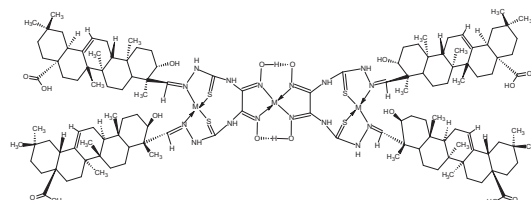
Ahmed M. Gouda, Ahmed H. Abdelazeem, El-Shaimaa A. Arafa and Khaled R.A. Abdellatif\*



### Synthesis, characterization and *in vitro* anti-neoplastic activity of gypsogenin derivatives

pp 15–23

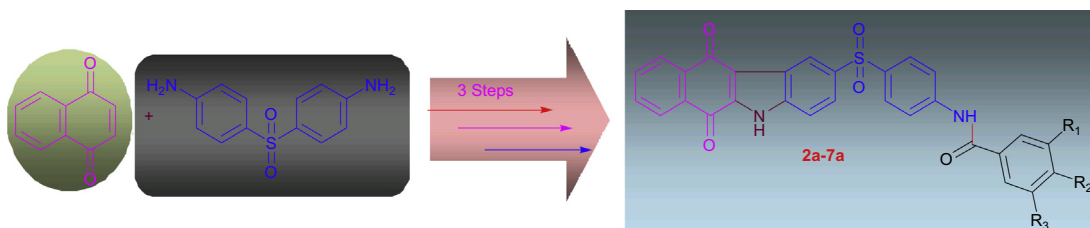
Safiye Emirdağ-Öztürk, İlknur Babahan\* and Ali Özmen



### Synthesis, molecular docking and cytotoxicity evaluation of novel 2-(4-amino-benzosulfonyl)-5H-benzo[b]carbazole-6,11-dione derivatives as histone deacetylase (HDAC8) inhibitors

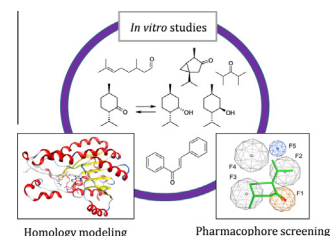
pp 24–36

P. Ravichandiran, A. Jegan, D. Premnath, V.S. Periasamy, S. Muthusubramanian and S. Vasanthkumar\*

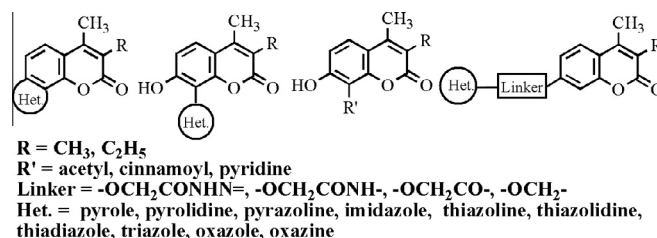


**Substrate flexibility and reaction specificity of tropinone reductase-like short-chain dehydrogenases****pp 37–49**

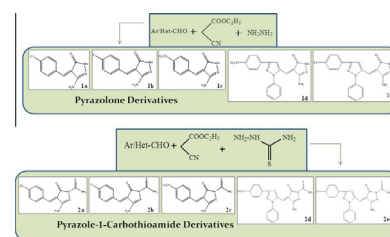
Nicole Reinhardt, Juliane Fischer, Ralph Coppi, Elke Blum, Wolfgang Brandt and Birgit Dräger\*

**Synthesis, docking and *in vitro* anticancer evaluation of some new benzopyrone derivatives****pp 50–66**

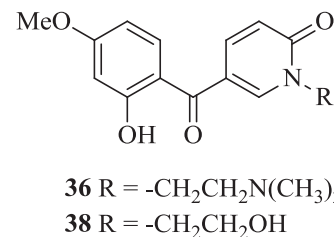
Sohair L. El-Ansary, Mohammed M. Hussein, Doaa E. Abdel Rahman\* and Lina M.A. Abdel Ghany

**Development of novel pyrazolone derivatives as inhibitors of aldose reductase: An eco-friendly one-pot synthesis, experimental screening and *in silico* analysis****pp 67–74**

Aparna Kadam, Bhaskar Dawane, Manisha Pawar, Harshala Shegokar, Kapil Patil, Rohan Meshram and Rajesh Gacche\*

**Synthesis and evaluation of c-Src kinase inhibitory activity of pyridin-2(1H)-one derivatives****pp 75–82**

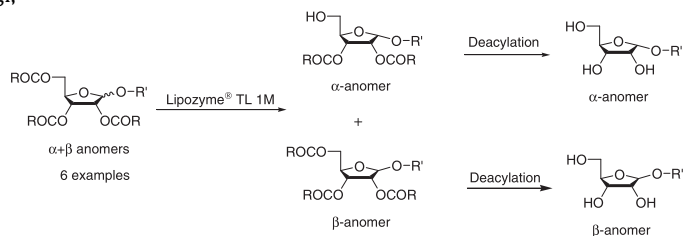
Karam Chand, Suchita Prasad, Rakesh K. Tiwari, Amir N. Shirazi, Sumit Kumar, Keykavous Parang\* and Sunil K. Sharma\*



### Effect of acyl chain length on selective biocatalytic deacylation on *O*-aryl glycosides and separation of anomers

pp 83–91

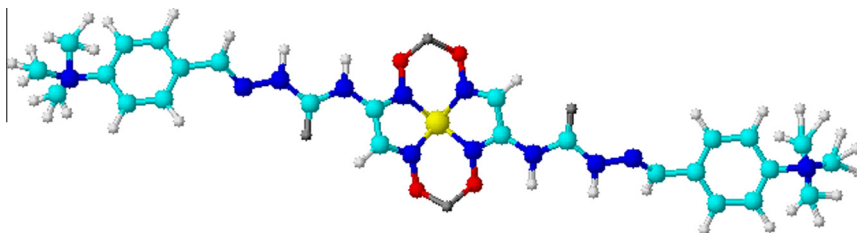
Neha Aggarwal, Anu Arya, Divya Mathur, Sukhdev Singh, Abhilash Tyagi, Rajesh Kumar, Neha Rana, Rajendra Singh and Ashok K. Prasad\*



### Synthesis, characterization, and *in vitro* anti-neoplastic activity of novel vic-dioximes bearing thiosemicarbazone side groups and their mononuclear complexes

pp 92–98

İlknur Babahan,\* Ali Özmen, Nil Orhan, Didem Kazar and Esin Hafize Değirmenci

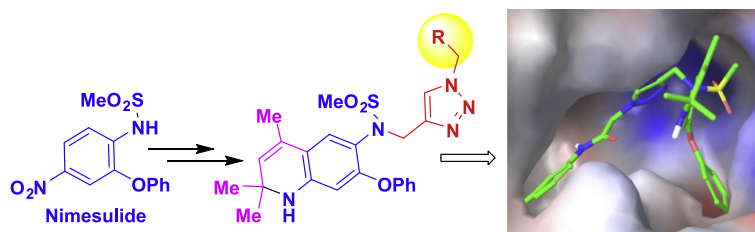


### Preliminary Communication

### Synthesis of 2,2,4-trimethyl-1,2-dihydroquinolinyl substituted 1,2,3-triazole derivatives: Their evaluation as potential PDE 4B inhibitors possessing cytotoxic properties against cancer cells

pp 8–14

K.S.S. Praveena, Shylaprasad Durgadas, N. Suresh Babu, Surekha Akkenapally, C. Ganesh Kumar, Girdhar Singh Deora, N.Y.S. Murthy, Khagga Mukkanti and Sarbani Pal\*



#### Cytotoxic properties

Compound	IC <sub>50</sub> (μM)
A549 cells	
<b>5a</b>	8.4 ± 0.11
<b>5f</b>	9.6 ± 0.19
<b>5g</b>	8.7 ± 0.24
Doxorubicin	9.7 ± 0.09

\*Corresponding author