## **Journal of the Indian Chemical Society**

**VOLUME 97** 

NUMBER 8

AUGUST 2020

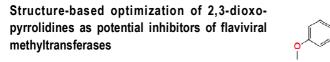
# CONTENTS

mpound 9

IC50 (DENV-MTase)

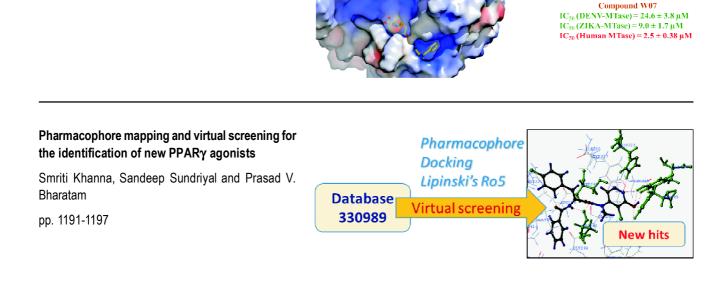
4.4 uM

dolecular docking



Prajakta Wangikar, Elvis A. F. Martis, Wahiba Aouadi, Santosh R. Nandan, Etienne Decroly and Evans C. Coutinho

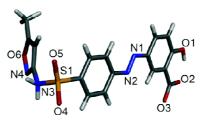
pp. 1179-1189

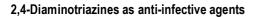


Functionalized sulfamethoxazole and its metal complex: Structural characterization, antibacterial and anticancer study of sulfamethoxazolyl-azo-salicylic acid and its copper(II) complex

Nilima Sahu, Kunal Pal, Faruk Ahmed, Nayim Sepay, Kuladip Jana, Alexandra M. Z. Slawin and Chittaranjan Sinha

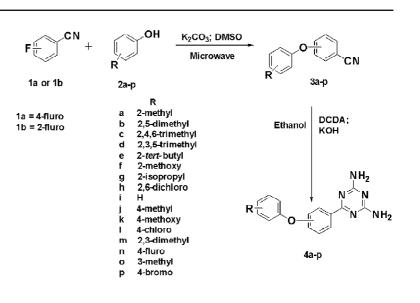
pp. 1199-1209

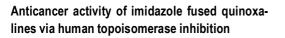




Suparna S. De, Siva K. Vogalu, Nazima Ansari, Rajendra Patil, Dharmarajan Sriram and Mariam S. Degani

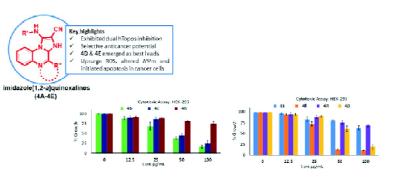
pp. 1211-1215





Gaurav Joshi and Raj Kumar

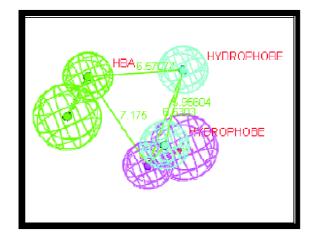
pp. 1217-1225



# Design, synthesis and biological evaluation of novel DPP-IV inhibitors

Chirag Karelia, Kailash Parmar, Divya Teli and Mahesh Chhabria

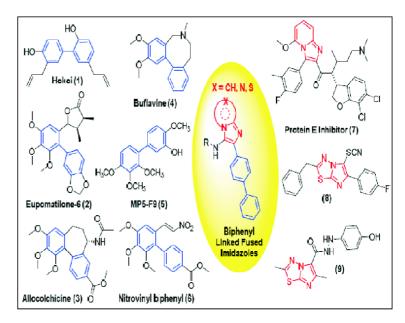
pp. 1227-1235

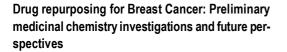


Design, synthesis, anti-cancer screening and structure activity relationship studies of biphenyl linked fused imidazoles

Rahul Singh, Mallesh Pandrala, Sanjay V. Malhotra, Ganesh P. Pawar, Vinod D. Chaudhari and Deepak B. Salunke

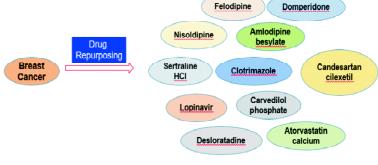
pp. 1237-1244





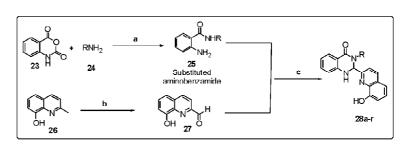
Prashant S. Kharkar, Chetan P. Shah and Niteshkumar U. Sahu

pp. 1245-1250



## Synthesis and biological evaluation of quinolinequinazolinones for antimicrobial and antileishmanial potential

Shweta Tiwari, Seema Kirar, Uttam Chand Banerjee, Neerupudi Kishore Babu, Sushma Singh and Inder Pal Singh

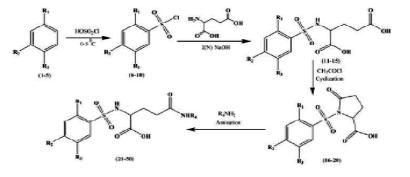


pp. 1251-1258

#### Synthesis, biological evaluation, and enzyme assay of some 5-*N*-substituted-2-*N*-(arylsulphonyl)-L(+)glutamines as potential anticancer agents

Tarun Jha, Soma Samanta, Amit Kumar Halder, Nilanjan Adhikari, Sk. Abdul Amin, Arpita Sanyal and Tanmoy Mukherjee

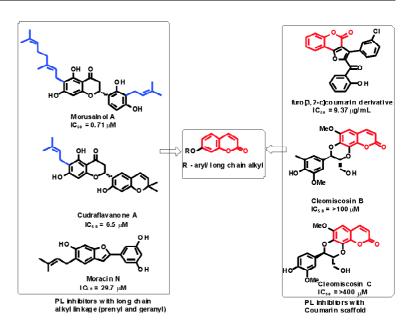
pp. 1259-1264



### Design, synthesis and biological evaluation of *O*alkyl umbelliferone derivatives as pancreatic lipase inhibitors

Nisha Yadav, Prashant Auti, Ginson George and Atish T. Paul

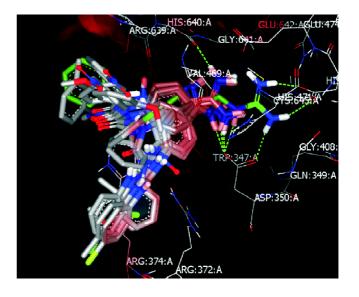
pp. 1265-1271



#### Study of arginine mimetic benzamidine urea derivatives as PAD4 inhibitors

Vadiraj Kurdekar, Satish N. Dighe and Hemant R. Jadhav

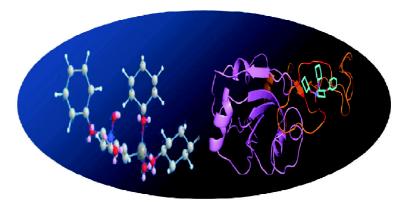
pp. 1273-1278



### *In silico* identification of a potent arsenic based lead drug di-phenyl phenoxy roxarsone against SARS-CoV-2

Trinath Chowdhury, Joyita Dutta, Santi M. Mandal and Gourisankar Roymahapatra

pp. 1279-1285

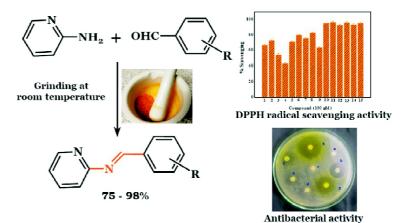


#### Zinc and copper homeostasis is crucial to maintain the cellular health and their role in viral diseases including COVID-19 Sneha Mondal, Sounik Manna, Tarun Kr. Barik and NF-ĸB Zn Signalling Inhibited Santi M. Mandal incorporate pp. 1287-1294 Inhibit ibit RT (HIV), viral Dd Do replication RC.HSV) dRp (influenz

#### Bioactivity of azomethines derived mechanochemically from 2-amino pyridine and studies on the effect of substituents on the reaction

Madhushree Das Sarma and Subhojit Ghosh

pp. 1295-1303



Ayurveda may play a preventive role against viral infections including SARS-CoV-2 by the inactivation of furin protease

Debarati Paul, Trinath Chowdhury and Santi M. Mandal

pp. 1305-1315

