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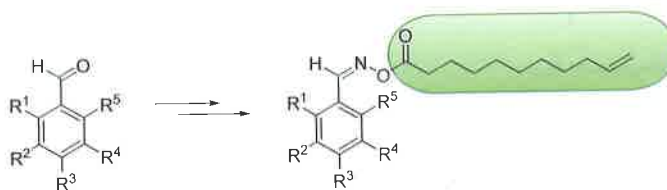
NUMBER 8

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### Papers

- 1015 Synthesis and cytotoxic evaluation of undecenoic acid-based oxime esters



R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub> = various substituents

#### Cytotoxic Evaluation

3b (IC<sub>50</sub> value 13.58 μM against SKOV3 cell line)  
3d (IC<sub>50</sub> value 12.48 μM against SKOV3 cell line)

Venepally Vijayendar, Shiva Shanker Kaki, E Vamshi Krishna, Sunil Misra, R B N Prasad & Ram Chandra Reddy Jala\*

Centre for Lipid Research, CSIR-Indian Institute of Chemical Technology,  
Uppal Road, Tarnaka, Hyderabad 500 007, India

- 1023 Novel application of topological descriptors: QSAR study of antibacterial activities of triazoles

Vesna Dimova\* & Igor Jordanov

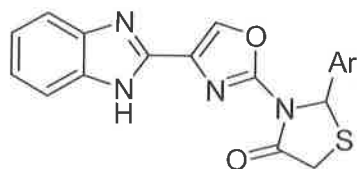
Faculty of Technology and Metallurgy, University Ss. Cyril and Methodius  
Rudjer Boskovic 16, 1000 Skopje, Republic of Macedonia

- 1033 Green synthesis of pyrazolo[4,3-d]isoxazol derivatives and their antimicrobial, antimalarial and antituberculosis evaluation

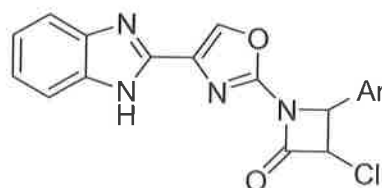
Rajesh H Vekariya, Kinjal D Patel, Mayur K Vekariya, Neelam P Prajapati, Dhanji P Rajani, Smita D Rajani & Hitesh D Patel\*

Department of Chemistry, School of Sciences, Gujarat University, Ahmedabad 380 009, India

- 1042 Synthesis and antimicrobial activity of benzimidazolyl oxazolyl thiazolidin-4-ones and azetidin-2-ones



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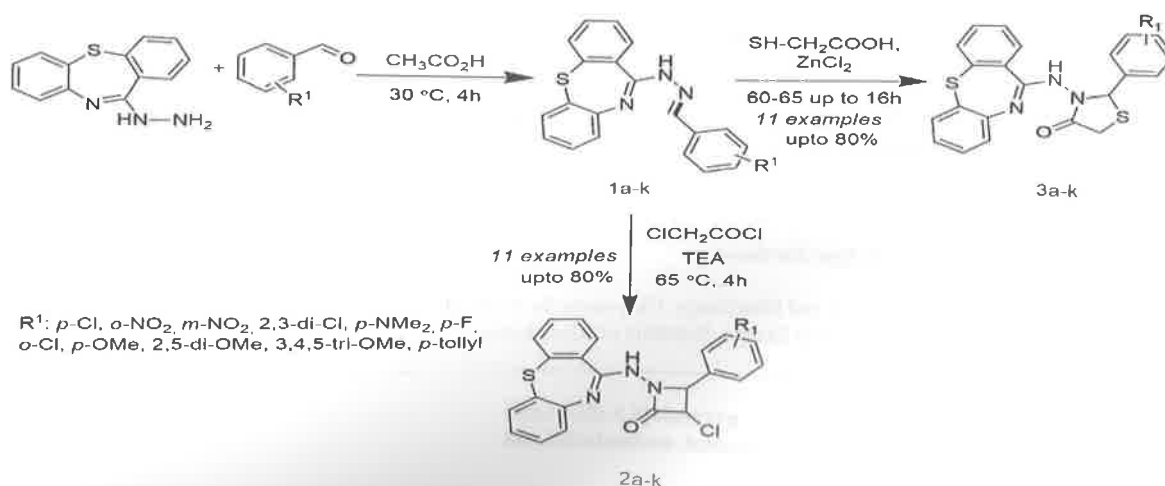
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B Kishore\* & G Brahmeshwari

Department of Chemistry, Kakatiya University, Warangal 506 009, India

- 1051 Synthesis and biological evaluation of 2-azetidinone and thiazolidine-4-one derivatives containing dibenzothiazepine nucleus

In the present study, 3-chloro-1-(dibenzo[*b,f*][1,4]thiazepin-11-ylamino)-4-(substituted phenyl)azetidin-2-one **2a-k** and 3-(dibenzo[*b,f*][1,4]-thiazepin-11-ylamino)-2-(substituted phenyl)thiazolidin-4-one **3a-k** derivatives have been synthesized *via* the reaction of (*Z*)-11-(2-(substituted benzylidene) hydrazinyl) dibenzo[*b,f*][1,4] thiazepine **1a-k** with chloro acetyl chloride and thioglycolic acid respectively under mild reaction conditions. The title compounds have been screened for antimicrobial activity.

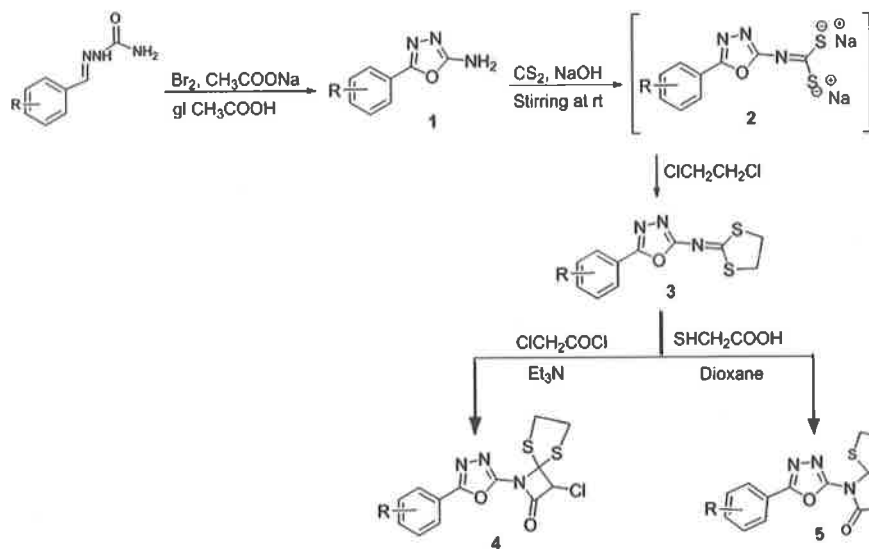


Jitesh H Tailor, Shilesh K Zadafiya, Gulammustafa Malik\* & Dhanji Rajani

Department of Chemistry, Navyug Science College, Rander Road, Surat 395 009, India

- 1060 Spiro-heterocycles containing 1,3,4-oxadiazole: A convenient synthesis of 3-(5-substituted phenyl-1,3,4-oxadiazole-2-yl)-5,8-dithiaspiro[3,4]-octan-2-ones and 1,4-dithia-6-azaspiro[4,4]-nonan-7-ones

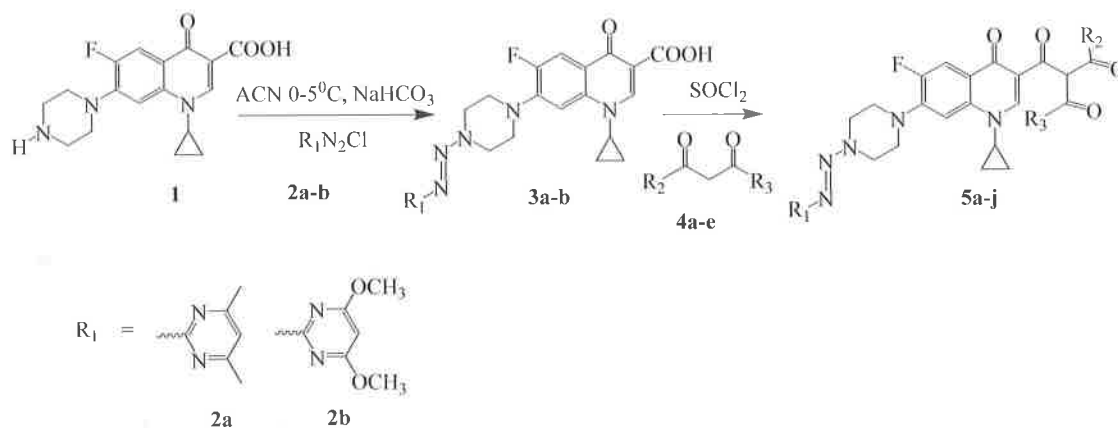
A new series of novel 3-(5-substituted phenyl-1,3,4-oxadiazole-2-yl)-5,8-dithiaspiro [3,4]-octan-2-ones and 1,4-dithia-6-azaspiro[4,4]nonan-7-ones have been synthesized from a common intermediate, in good yields. These compounds have been screened for their antibacterial and antifungal activity against different pathogenic strain of bacteria and fungi. The minimum inhibitory concentration (MIC), minimum bactericidal concentration (MBC) and minimum fungicidal concentration (MFC) have been determined for the test compounds as well as for reference standards. Compounds **4a**, **4c**, **4d** have shown good antibacterial activity whereas compounds **4b**, **5a**, **5c**, **5d** have displayed better antifungal activity.



Shailendra Tiwari\*, Kamal Pratap Singh, Poonam Pathak & Akeel Ahmad

Department of Chemistry, University of Allahabad, Allahabad 211 002, India

- 1065 Synthesis and antibacterial activity of 1,3-dione derivatives of 1-cyclopropyl-7-[4-(2,6-dimethyl/dimethoxypyrimidin-2-yl-diazenyl)-piperzin-1-yl]-6-fluoro-4-oxo-1,4-dihydroquinolone-3-carboxylic acid

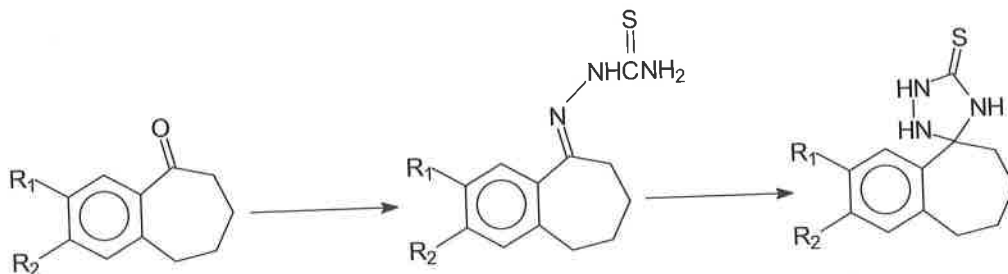


Pradeep Yadav, Sonal Hada, Dinesh Kumar Yadav & Neetu Kumari\*

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## Notes

- 1070 Synthesis of 3-methyl/2,3-dimethyl/2,3-dimethoxy  
6,7,8,9-tetrahydrospiro[benzo[7]annulene-5,3'-[1,2,4]  
triazolidine]-5'-thione



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