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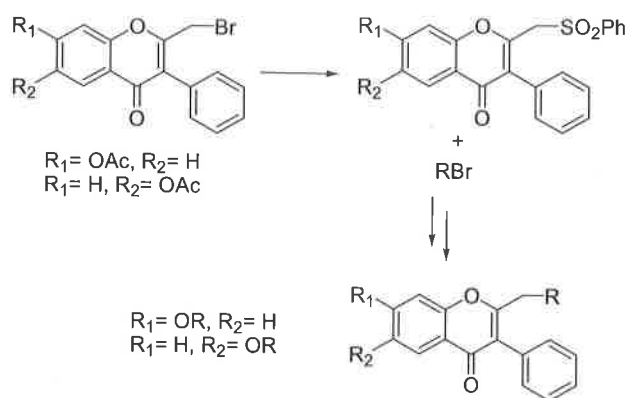
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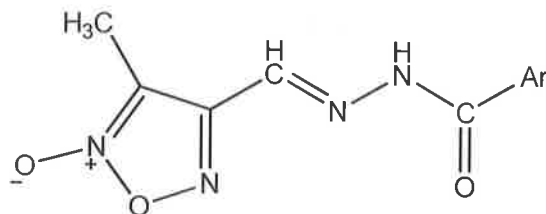
- 945 **A concise synthesis of 2-alkenyl-3-phenyl-4H-chromen-4-ones via novel C-C bond formation using sulfone as potential intermediate** An efficient use of sulfone chemistry for connecting a biologically active heterocycle, 3-phenyl-4H-chromen-4-one with various lipophilic moieties via a new carbon-carbon bond, has been demonstrated by a hitherto simple yet uncharacteristic route.



Leena Khanna, Pankaj Khanna & Subhash C Jain*

Department of Chemistry, University of Delhi, Delhi 110 007, India

- 955 **Synthesis and biological evaluation of some new furoxan derivatives with anti-inflammatory and ulcerogenic activities, and nitric oxide releasing properties.** A series of furoxan derivatives (**3a-k**) have been synthesized and evaluated for their anti-inflammatory and ulcerogenic activities, and nitric oxide releasing properties.



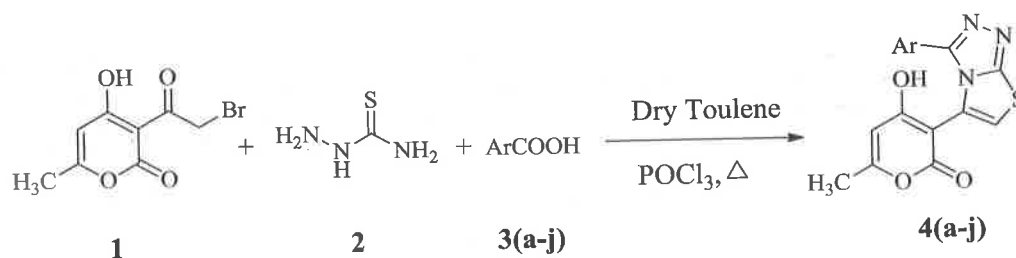
3a-k

Mohd Amir*, Jeevan S Verma, Sana Tariq, Somakala K & S Ehtaishamul Haq

Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Hamdard University, New Delhi 110 062, India

960 **One pot multicomponent synthesis of 4-hydroxy-6-methyl-3-(3-phenylthiazolo[2,3-c][1,2,4]triazol-5-yl)-2H-pyran-2-ones**

An efficient one pot multicomponent reaction for the synthesis of 4-hydroxy-6-methyl-3-(3-phenylthiazolo[2,3-c][1,2,4]triazol-5-yl)-2H-pyran-2-ones with good to excellent yields have been described. Reaction of 3-(2-bromoacetyl)-4-hydroxy-6-methyl-2H-pyran-2-one **1**, thiosemicarbazide **2** and various aromatic carboxylic acids **3a-j** in dry toluene and POCl₃ afford 4-hydroxy-6-methyl-3-(3-phenylthiazolo[2,3-c][1,2,4]triazol-5-yl)-2H-pyran-2-ones. All the synthesized compounds have been characterized from their analytical and spectral data.

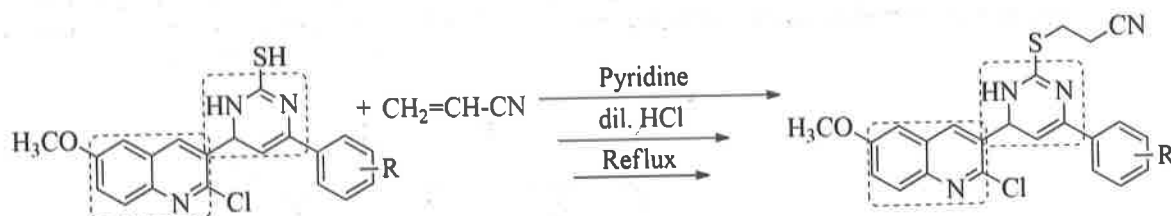


Bade Thirupaiah, Kodam Sujatha & Vedula Rajeswar Rao*

Department of Chemistry, National Institute of Technology, Warangal 506 004, India

965 **Synthesis and biological evaluation of some novel quinoline based pyrimidine derivatives**

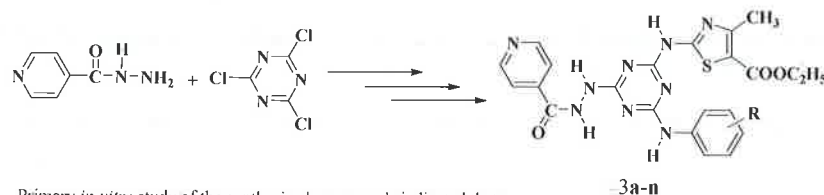
A synthetic method has been developed for preparing novel quinoline and pyrimidine derivatives. Characterization studies and biological evaluation of the synthesised compounds are described.



N C Desai*, G M Kotadiya & D V Vaja

Department of Chemistry, Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar 364 002, India

- 974 **Synthesis, characterization and antimicrobial activity of some ethyl-2-(4-(2-isonicotinoylhydrazinyl)-6-(arylamino)-1,3,5-triazin-2-ylamino)-4-methylthiazole-5-carboxylates** The present study describes a new series of ethyl 2-(4-(2-isonicotinoylhydrazinyl)-6-(arylamino)-1,3,5-triazin-2-ylamino)-4-methylthiazole-5-carboxylates (**3a-n**) which have been synthesized and assessed for their *in vitro* antimicrobial activity.



Primary *in-vitro* study of the synthesized compounds indicated that electron realizing groups like methyl at para position and methoxy at meta position have shown improved antimicrobial activity.

Where, R = Different groups

N C Desai*, Atul H Makwana & R D Senta

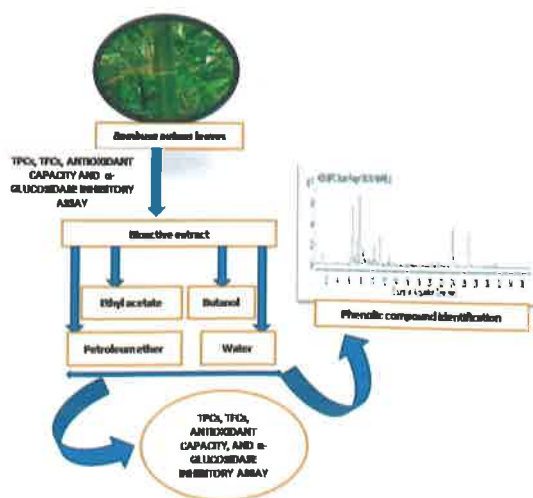
Division of Medicinal Chemistry, Department of Chemistry, Maharaja Krishnakumarsinhji Bhavnagar University, Mahatma Gandhi Campus, Bhavnagar 364 002, India

- 983 **One-pot easy conversion of Baylis-Hillman adducts into the pyrazolidin-3-ones via trimethylsilyl iodide and hydrazine hydrate**

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- 988 **HPLC-ESI-QTOF-MS analysis of phenolic compounds, antioxidant capacity and α -glucosidase inhibitory effect of *Bambusa nutans* leaves**



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- 997 Synthesis of pyrazolo[4',3':5,6]pyrano[2,3-*d*]-
pyrimidine derivatives and their antimicrobial,
antimalarial and antituberculosis evolution

Rajesh H Vekariya, Kinjal D Patel, Mayur K Vekariya, Neelam P Prajapati, Dhanji P Rajani,
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