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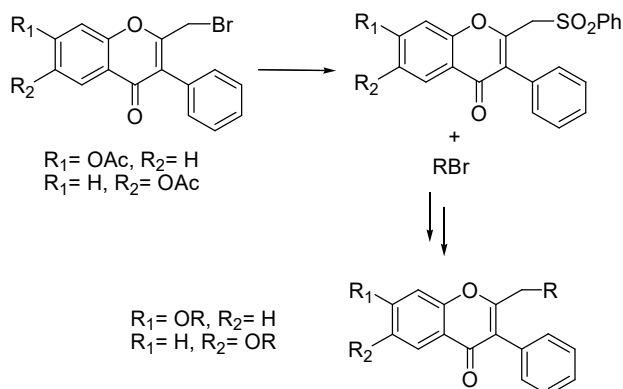
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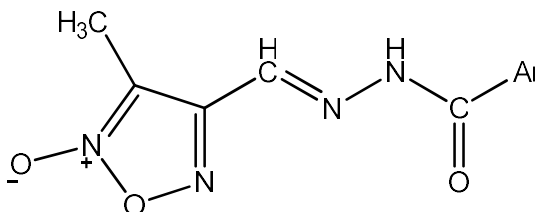
- 945 A concise synthesis of 2-alkenyl-3-phenyl-4*H*-chromen-4-ones via novel C-C bond formation using sulfone as potential intermediate** An efficient use of sulfone chemistry for connecting a biologically active heterocycle, 3-phenyl-4*H*-chromen-4-one with various lipophilic moieties *via* a new carbon-carbon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



Leena Khanna, Pankaj Khanna & Subhash C Jain*

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

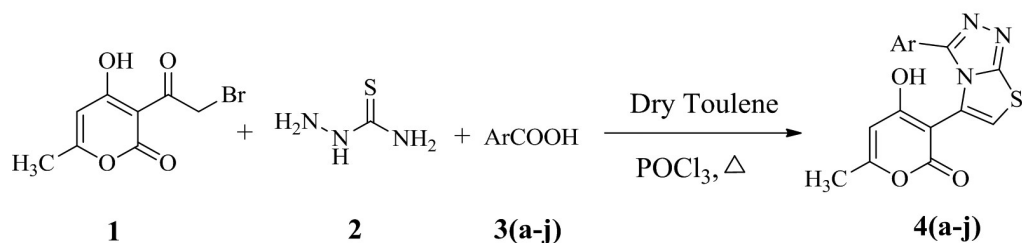


3a-k

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

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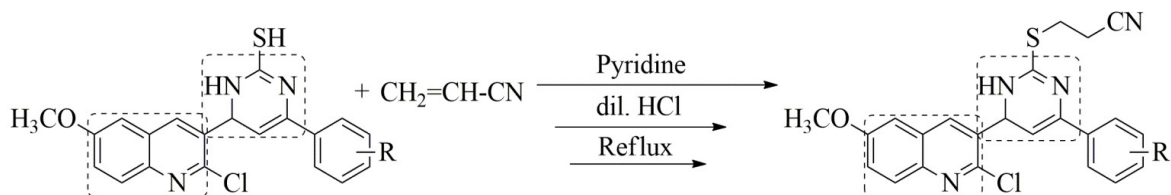
- 960 One pot multicomponent synthesis of 4-hydroxy-6-methyl-3-(3-phenylthiazolo[2,3-c][1,2,4]triazol-5-yl)-2H-pyran-2-ones** An efficient one pot multicomponent reaction for the synthesis of 4-hydroxy-6-methyl-3-(3-phenylthiazolo[2,3-c][1,2,4]triazol-5-yl)-2H-pyran-2-ones with good to excellent yields 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.



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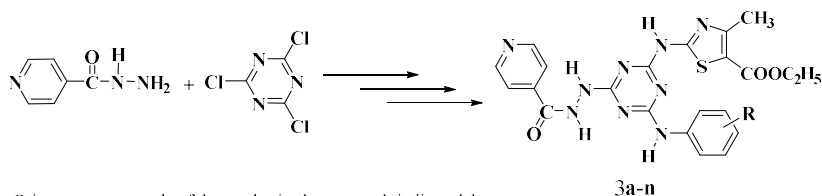
- 965 Synthesis and biological evaluation of some novel quinoline based pyrimidine derivatives** A synthetic method has been developed for preparing novel quinoline and pyrimidine derivatives. Characterization studies and biological evaluation of the synthesised compounds are described.



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

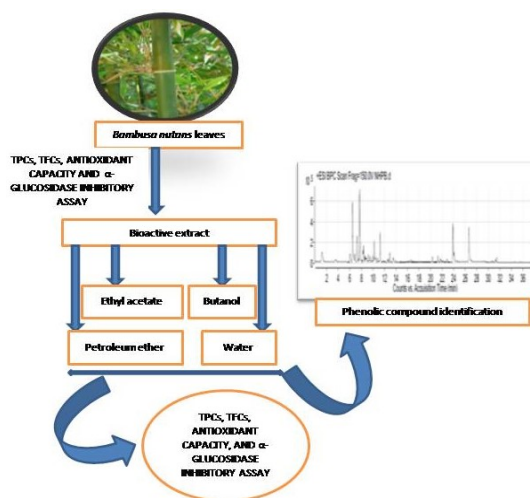
Division of Medicinal Chemistry, Department of Chemistry, Maharaja Krishnakumarsinhji Bhavnagar University, Mahatma Gandhi Campus, Bhavnagar 364 002, India

- 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,
Smita D Rajani & Hitesh D Patel***

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