

Indian Journal of Chemistry

Sect. B: Organic Chemistry including Medicinal Chemistry

VOL. 55B

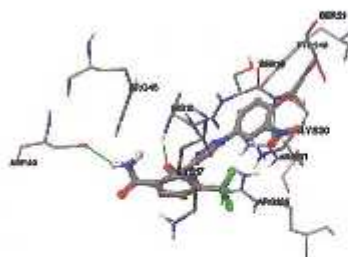
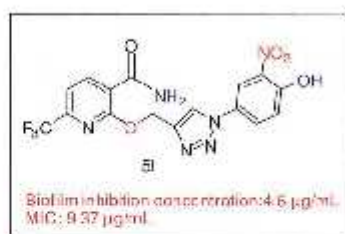
NUMBER 11

November 2016

CONTENTS

Papers

- 1361** **Synthesis of novel triazole functionalized pyridine derivatives as potential antimicrobial and anti-biofilm agents** A series of novel 1-substituted (1*H*-1,2,3-triazole-4-yl) methoxy functionalized pyridine derivatives **5** and **6** have been prepared, screened for antimicrobial activity, minimum bactericidal concentration and biofilm inhibition activity. Among the screened compounds, the derivatives **5d**, **5l** and **5s** show promising antimicrobial activity and compounds **5l**, **5q** and **5n** show promising antioxidant activity.

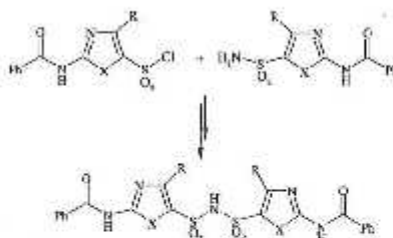


4 Amino acids (His18, Ser19, Asp49, Tyr248) interacting with the **5l** ligand

R Naresh Kumar, G Mallareddy, P Nagender, P Sambasiva Rao, Y Poornachandra, P Ranjithreddy, C Ganesh Kumar & B Narsiah*

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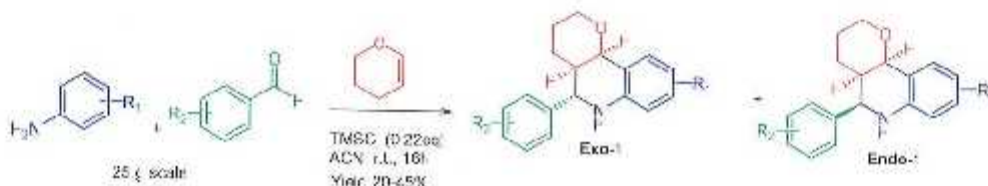
- 1376** **Synthesis and antimicrobial activity of bisazolylsulfonyl amines** A variety of bisazolylsulfonyl amines have been prepared from azolylsulfonyl chlorides and azolylsulfonamides and their antimicrobial activity studied. The chloro substituted bishiazolylsulfonyl amines exhibit pronounced antibacterial activity against *B. subtilis*. The unsubstituted and chloro substituted bisimidazolylsulfonyl amines show promising antifungal activity against *A. niger*.



Butta Ragavendra, Kuppireddy Garl Divya, Adivireddy Padmaja & Venkatapuram Padmavathi*

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- 1384 Feasibility and diastereoselectivity of acid-mediated three-component *aza*-Diels-Alder reactions: Preparation of diversely substituted hexahydro-2*H*-pyrano[3,2-*c*]quinolines



Patricia Niño, Marta Caba, Nuria Aguilar, Emma Terricabras, Fernando Albericio & Joan-Carles Fernández*

Almirall-Barcelona Science Park Unit, Barcelona Science Park, Baldiri i Reixac 10-12, 08028-Barcelona, Spain

- 1400 Theoretical and experimental studies of 1,3-dipolar cycloaddition reactions between trimethylsilylazide and citral (geranial and neral)

Sepehr Taban & Avat (Arman) Taherpour*

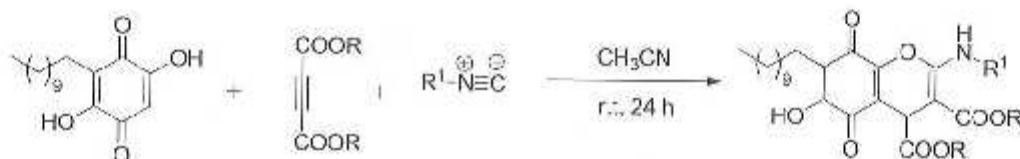
Department of Organic Chemistry, Faculty of Chemistry, Razi University, P.O. Box 67149-67316, Kermanshah, Iran

- 1415 One-pot multi-component synthesis of 4-substituted thiazole Schiff base derivatives and their antibacterial activity

Rajitha Deshineni, Ravibabu Velpula, Rajesh Ragi & Gyana Kumari Chellamella*

Department of Chemistry, Osmania University, Hyderabad 500 007, India

- 1420 Synthesis of 4*H*-chromene-3,4-dicarboxylate derivatives via an isocyanide-based one-pot three component reaction
- An efficient one pot three-component reaction method has been developed for the synthesis of dialkyl-5,8-dihydro-6-hydroxy-5,8-dioxo-2-(alkyl/arylamino)-7-undecyl-4*H*-chromene-3,4-dicarboxylate derivatives by the reaction of embelin, dialkylacetylenedicarboxylates and alkyl/aryl isocyanides.



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