

Indian Journal of Chemistry

Sect. B: Organic Chemistry including Medicinal Chemistry

VOL. 57B

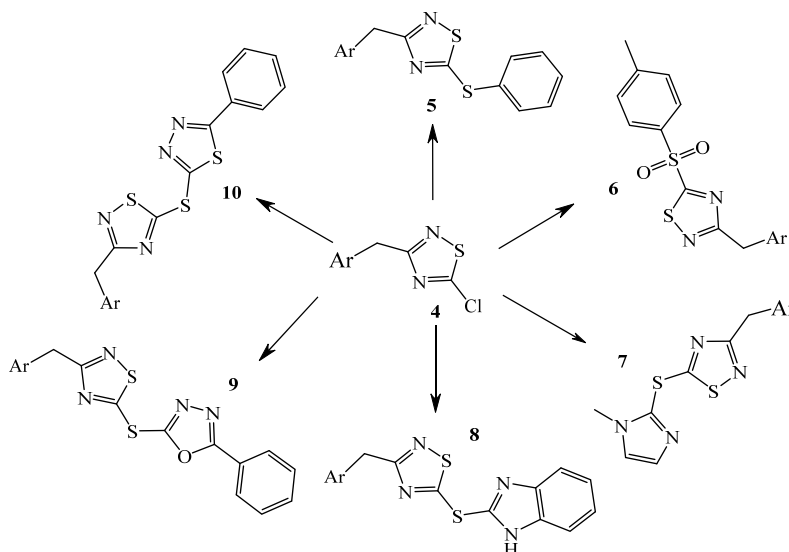
NUMBER 9

September 2018

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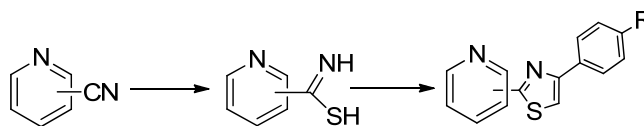
- 1173 Synthesis and cytotoxic activity of sulfur linked mono / bis heterocycles** A variety of sulfur linked mono / bis heterocycles have been prepared and their cytotoxic activity on A549 lung adenocarcinoma cells studied. The imidazolyl and benzimidazolyl thiadiazoles (**7c**, **8c**) display appreciable cytotoxic activity against A549 cells.



Shaik Sharafuddin Basha, Putta Ramachandra Reddy, Donthamsetty V Sowmya, Adivireddy Padmaja & Venkatapuram Padmavathi*

Department of Chemistry, Sri Venkateswara University, Tirupati 517 502, India

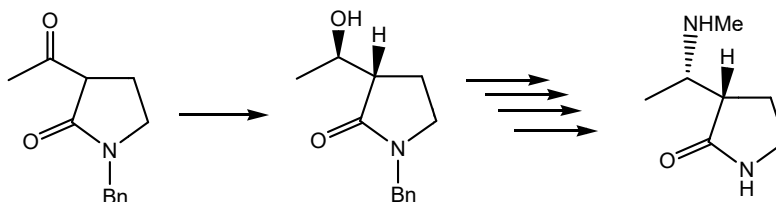
- 1179 Metal free synthesis, docking studies and antimicrobial screening of novel isomeric pyridine substituted thiazole derivatives** An approach towards metal free heteroarylation of pyridine, pharmacokinetic properties, *in silico* studies and *in vitro* antimicrobial screening results are reported.



Manjusha Suryawanshi, Amar Patil, Avinash Bholay & Vivek Bobade*

Department of Chemistry, HPT Arts & RYK Science College, Nashik 422 005, India

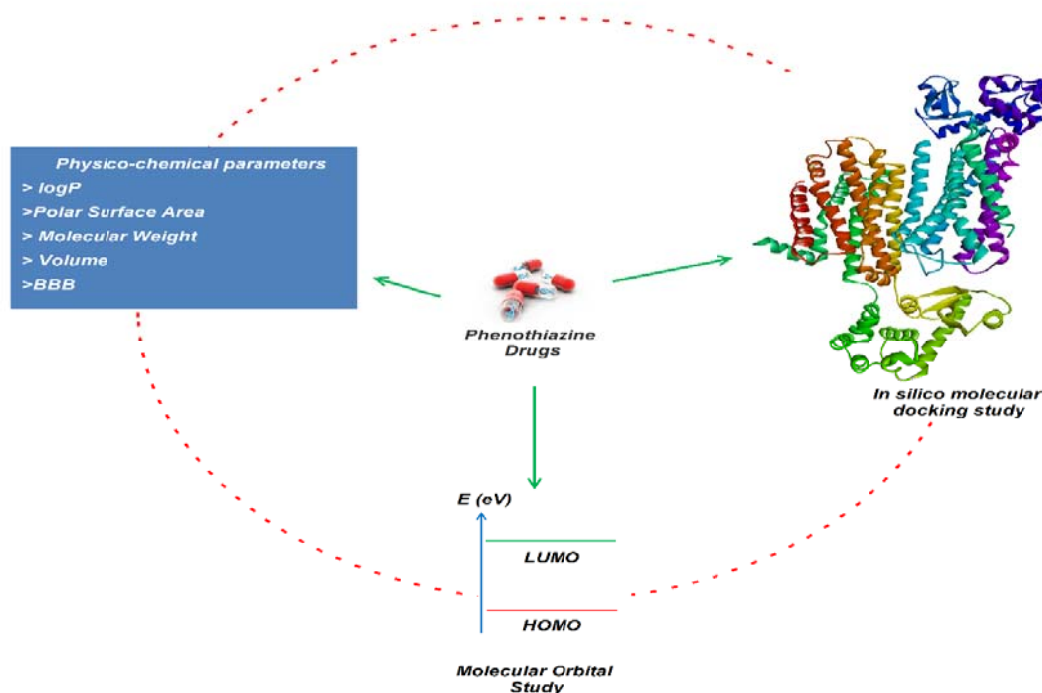
- 1189 The practical, efficient, diastereoselective synthesis of (3*R*,1'*S*)-3-[(1'-*N*-methylamino)ethyl]pyrrolidine: A chiral side chain unit for quinolone type anti-fungal agents** Optically active methylaminopyrrolidine has been synthesized from acetylpyrrolidone by asymmetric hydrogenation in 5 steps.



Yoshifumi Yuasa

Kasai Chemical Laboratory, 7-7-402 Akashicho, Hiratsuka, Kanagawa, 254-0042, Japan

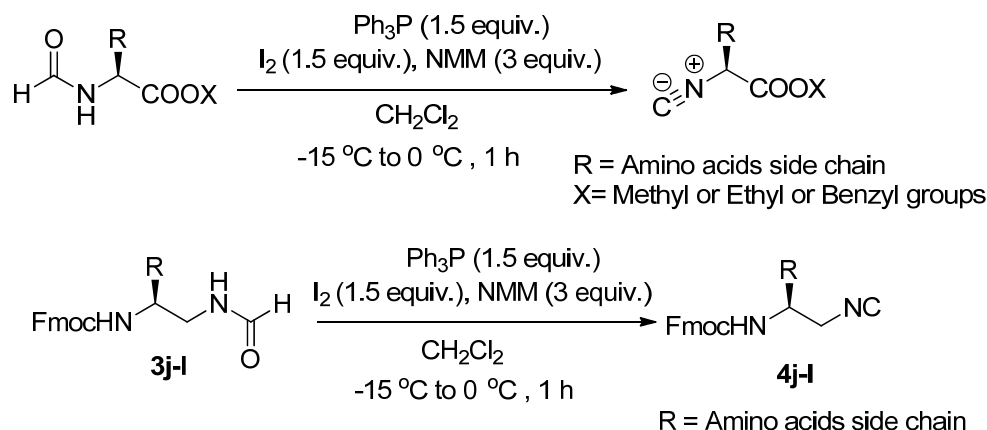
- 1194 Structure-activity relationship in phenothiazine antipsychotic drugs: Molecular orbital calculation, *in silico* molecular docking and physico-chemical parameters**



Devendra Tiwari, Sampark S Thakkar & Arabinda Ray*

Department of Advanced Organic Chemistry, P. D. Patel Institute of Applied Sciences
Charotar University of Science & Technology, Changa 388 421, India

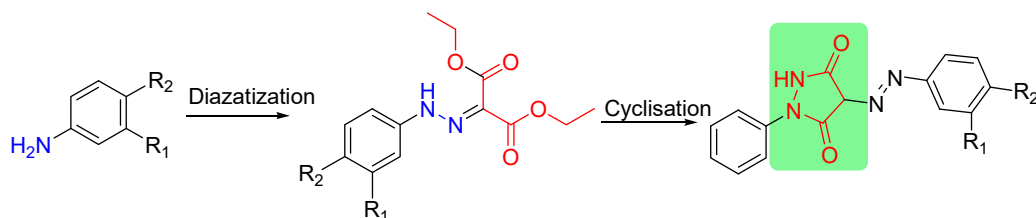
- 1203 A convenient synthesis of enantiomerically pure α -isocyano esters and N^{β} -Fmoc-amino alkyl isonitriles derived from α -amino acids employing PPh_3/I_2 under mild conditions



Santhosh L, Shekharappa, Krishnamurthy M & Vommina V Sureshbabu*

109, Peptide Research Laboratory, Department of Studies in Chemistry, Central College Campus, Bangalore University, Dr. B. R. Ambedkar Veedhi, Bangalore 560 001, India

- 1208 Synthesis of 4-(2-(substituted phenyl)diazenyl)-1-phenylpyrazolidine-3,5-dione catalyzed by L-proline and their biological activity



Jayashri D Bhirud, Pramod P Mahulikar & Hemant P Narkhede*

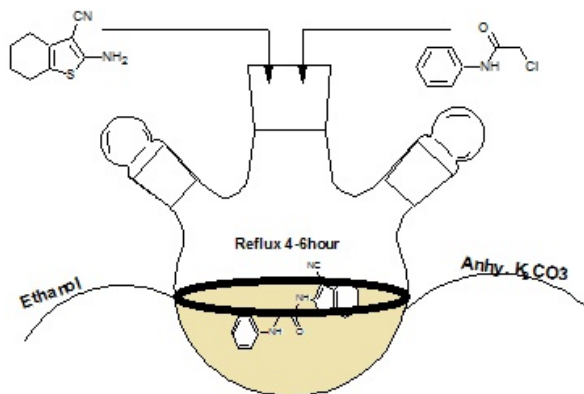
Smt. P. K. Kotecha Mahila Mahavidyalaya, Bhusawal 425 305, Dist. Jalgaon, India

- 1213 *In vitro* anti-diabetic activity and GC-MS analysis of bioactive compounds present in the methanol extract of *Kalanchoe pinnata*

Latha Ophelia George*, H R Radha & B V Somasekariah

Department of Chemistry, Research and Development Centre, Bharathiar University, Coimbatore, India

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- 1222 **Synthesis and anti-microbial screening of *N*-(3-cyano-4,5,6,7-tetrahydro-1-benzothiophen-2-yl)-2-(arylphenyl)acetamide**



Maharshi B Shukla, Jyotindra B Mahyavanshi* & Prakash J Joshi

Department of Chemistry, Sankalchand Patel University, Visnagar 384 315, India

Authors for correspondence are indicated by (*)
