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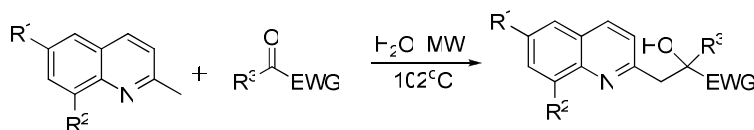
NUMBER 9

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## CONTENTS

### Papers

- 1153 Microwave assisted  $sp^3$  C-H activation of 2-methylquinoline and addition to electron deficient ketones



$R^1 = -H$   $-OMe$   $R^2 = -H$   $-NO_2$

$R^3 = -H$   $-COOEt$   $-CH_2Ar$   $-Ar$   $-COAr$   $-CH_2COOEt$   $-CF_3$

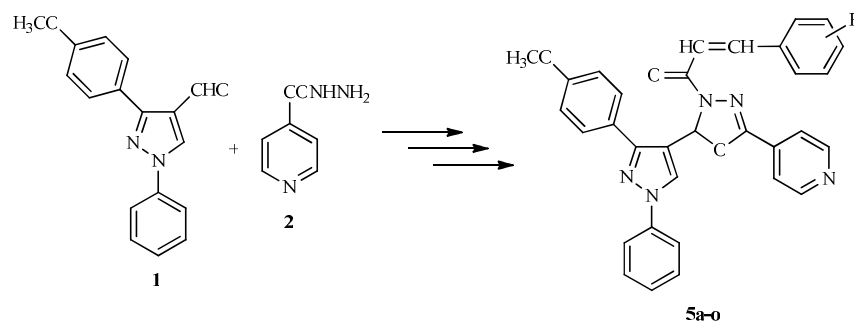
EWG =  $-COOEt$   $-CONH-$   $-CO-$   $CF_3$

Nalajala Nageswara Rao, Prakash Rambhau Mali & H M Meshram\*

Medicinal Chemistry and Pharmacology Division, CSIR-Indian Institute of Chemical Technology, Hyderabad 500 007, India

- 1159 Synthesis, antimicrobial and cytotoxic activity of pyrazole derivatives of pyridyloxadiazoles

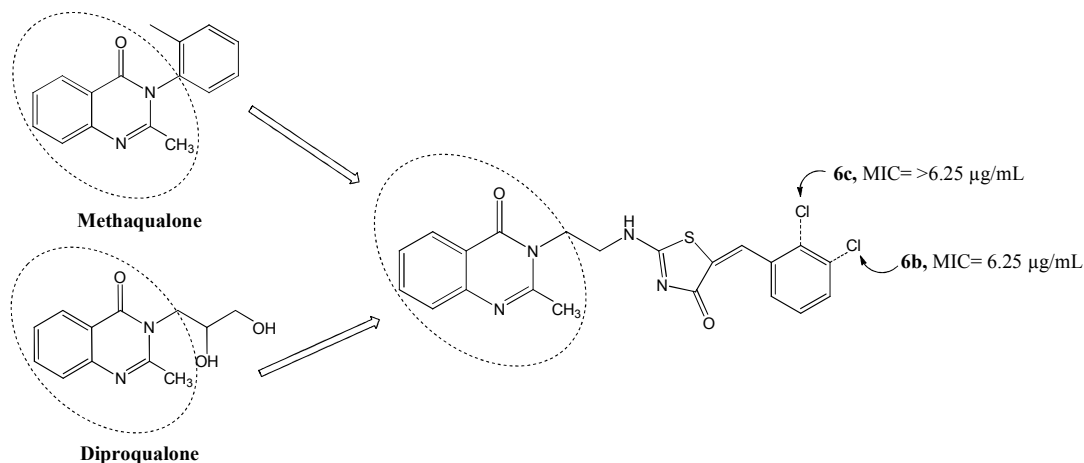
A series of novel 1-(2-(3-(4-methoxyphenyl)-1-phenyl-1H-pyrazol-4-yl)-5-(pyridin-4-yl)-1,3,4-oxadiazol-3(2H)-yl)-3-(aryl)prop-2-en-1-ones **5a-o** have been synthesized and evaluated for their *in vitro* antimicrobial and cytotoxicity activity.



N C Desai\* & G M Kotadiya

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

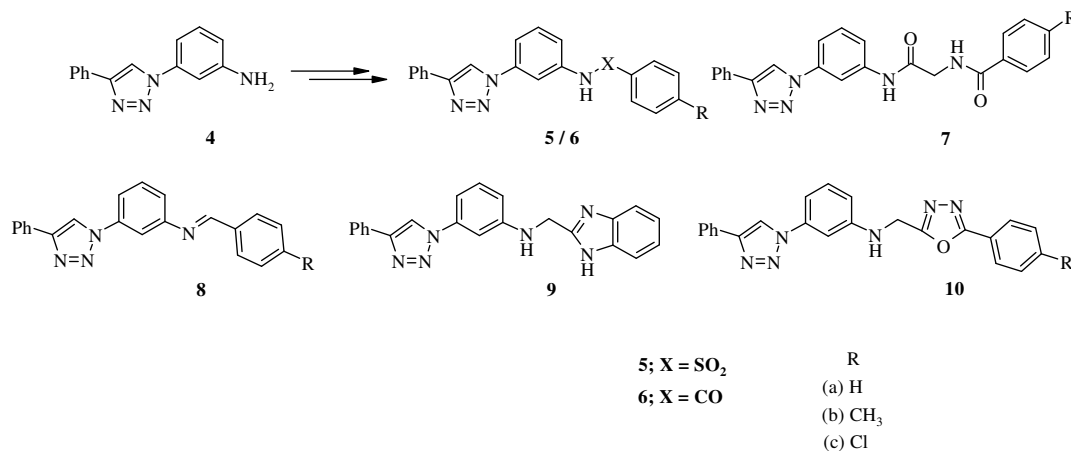
- 1169 Novel quinazolinone-thiazolidinone hybrid: Design, synthesis and *in vitro* antimicrobial and antituberculosis studies** Quinazoline-styryl thiazolidinones hybrids have been synthesized and clubbed through ethyl linkage. Final synthesized compounds are screened for their *in vitro* antimicrobial activity and antimycobacterial efficacy.



**Dhruvin R Shah, Rahul P Modh, Dhara D Desai & Kishor H Chikhaliya\***

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

- 1178 Synthesis of amino derivatives of 3-(4-phenyl-1,2,3-triazolyl)benzamine** A new class of amino derivatives of 3-(4-phenyl-1,2,3-triazolyl)benzamine **4** have been prepared using different electrophilic reagents under ultrasonication and microwave methodologies.



**M Swapna, N Mahaboob Basha, A Padmaja & V Padmavathi\***

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

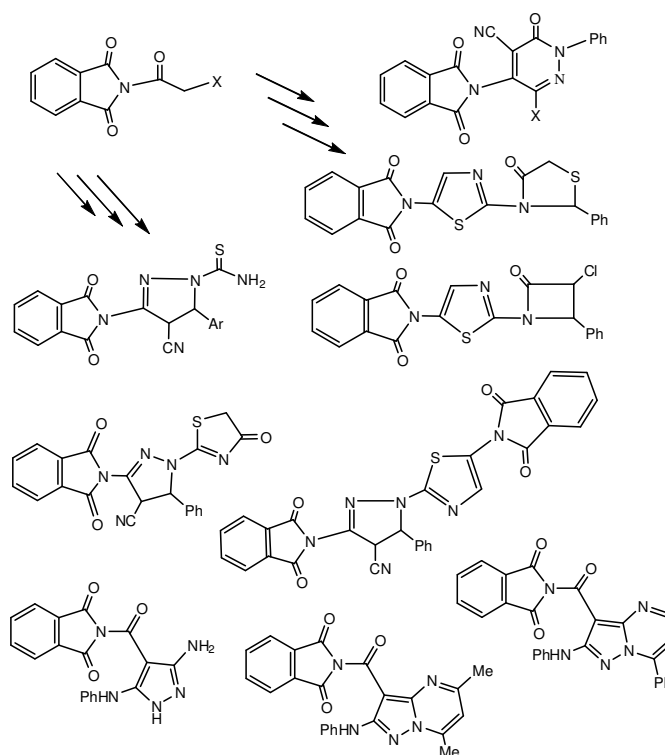
**1185 Citric acid as a mild and inexpensive organocatalyst for synthesis of tetrahydrobenzo[*a*] xanthen-11-ones and dibenzo[*a,j*] xanthenes under solvent-free condition**

A simple and efficient protocol has been developed for the synthesis of 12-aryl-8,9,10,12-tetrahydrobenzo[*a*] xanthen-11-one derivatives, **I** employing a one-pot three-component reaction of aldehydes, 2-naphthol and dimedone in the presence of citric acid under solvent-free condition at 120°C. The protocol has been also extended for the synthesis of 14-aryl-14*H*-dibenzo [*a,j*] xanthenes, **II** by employing 1:2 proportion of aldehyde and 2-naphthol, to afford excellent yield in short reaction time.

**P B Pawar, S D Jadhav, M B Deshmukh & Suresh Patil\***

Organic Research Laboratory, PG Department of Chemistry, PDVP College, Tasgaon, Dist. Sangli 416 312, India

**1194 Simple method for synthesis of isolated heterocyclic compounds incorporating 2-(2-bromoacetyl)isoindoline-1,3-dione and 2-(2-cyanoacetyl)isoindoline-1,3-dione**

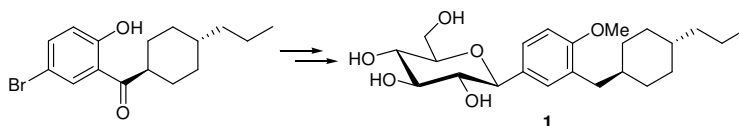


**Islam Helmy El-Azab\* & Eman Abd El-Rady**

Chemistry Department, Faculty of Science, South Valley University, Aswan 81528, Egypt

## Notes

- 1205** A practical synthetic approach to a *trans*-cyclohexane-bearing *C*-glucoside as potent SGLT2 inhibitor
- An improved synthetic approach to a potent SGLT2 inhibitor, 1-deoxy-1-{4-methoxy-3-[(*trans*-4-*n*-propylcyclohexyl)methyl]phenyl}- $\beta$ -D-glucose **1** has been developed.



Shuo Zhang, Xiu Ling Yu, Wen Jin Wang, Jian Wu Wang & Gui Long Zhao\*

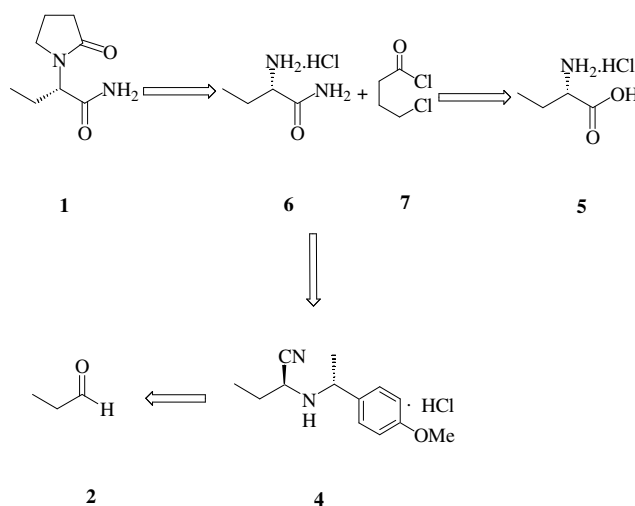
School of Chemistry and Chemical Engineering, Shandong University, Jinan 250100, P. R. China

- 1211** Development and validation of LC-MS/MS method for simultaneous quantitation of testosterone, trenbolone, salbutamol and taleranol in chicken muscle
- A comparatively simple, sensitive and rapid analytical method has been developed and validated to determine the residues of testosterone, trenbolone, salbutamol and taleranol in chicken muscle using LC-MS/MS in positive ionization mode. In view of the risk of misuse of veterinary drugs and importance of their monitoring, the present method has several advantages over earlier existing methods.

Meenakshi Dahiya, Nidhi Dubey\* & G N Singh

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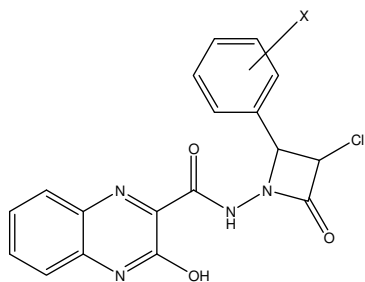
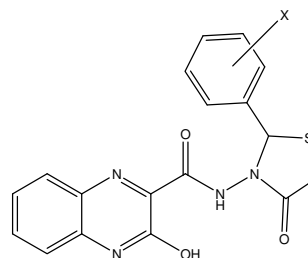
- 1218** An asymmetric synthesis of Levetiracetam



Veeramalla Raju, Sripathi Somaiah, Suthrapu Sashikanth, Eppakayala Laxminarayana\* & Kagga Mukkanti

Department of Physics and Chemistry, Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad 501 075, India

- 1222 A facile synthesis of 3-hydroxy-N-(4-oxo-2-arylthiazolidin-3-yl)quinoxaline-2-carboxamides and N-(3-chloro-2-oxo-4-arylazetid-1-yl)-3-hydroxyquinoxaline-2-carboxamides

**5a-e****6a-e**

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