

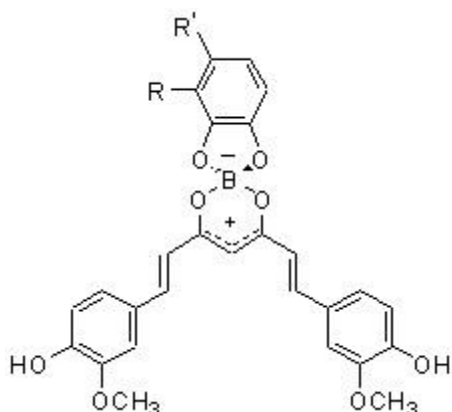
ARKIVOC Volume 2008  
Part (xiii): General Papers

**1. Curcumin-benzodioxaborole chelates (08-3120DP)**

*Alexandru T. Balaban, Cyril PĂjrkĂjnyj, Ion Ghiviriga, Jean-Jacques Aaron, Zuzana ZajĂčkovĂj and Omar R. MartĂnez*

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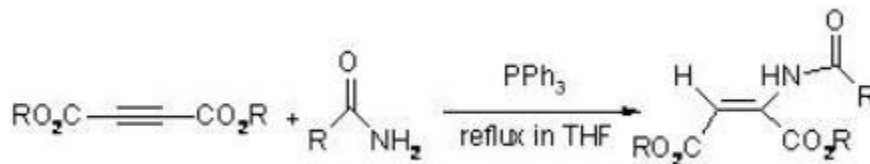
received Mar 17 2008; accepted May 28 2008; published Jun 6 2008;

**2. Triphenylphosphine catalyzed vinyl amination: A mild, chemospecific and general vinyl amide synthesis (08-3140GP)**

*Rahim Hekmatshor, Sodeh Sadjadi and Majid M. Heravi*

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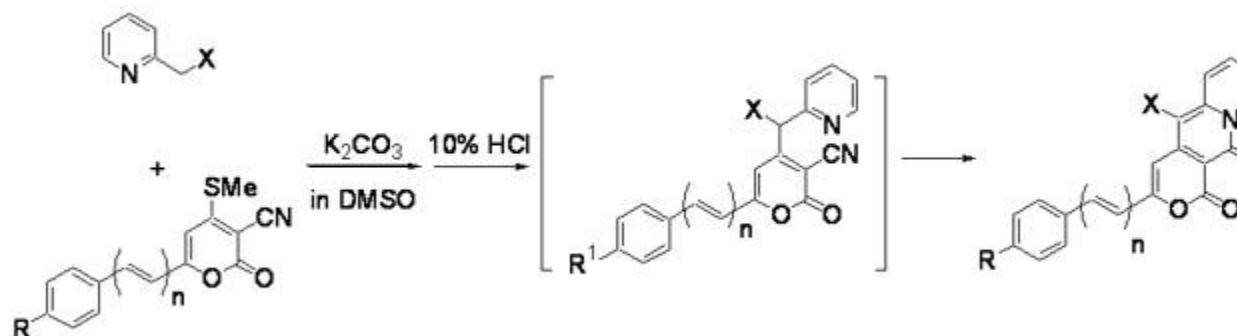
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**3. Synthesis of pyrano[4,3-b]quinolizine derivatives from 6-aryl or styryl-4-methylsulfanyl-2-oxo-2H-pyrans and their fluorescence (08-3035EP)**

*Masayori Hagimori, Naoko Mizuyama and Yoshinori Tominaga*

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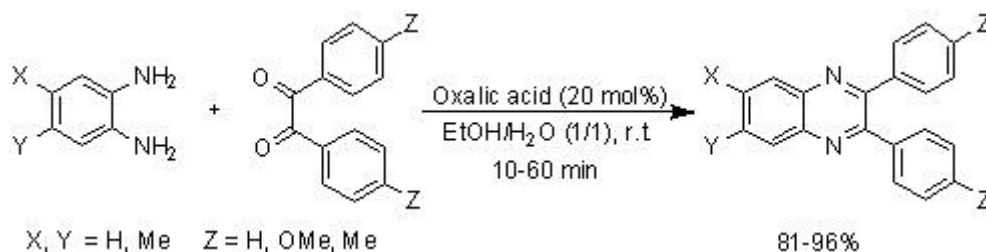
received Feb 5 2008; accepted May 11 2008; published Jun 15 2008;

#### 4. Oxalic acid as an efficient, cheap, and reusable catalyst for the preparation of quinoxalines via condensation of 1,2-diamines with $\alpha$ -diketones at room temperature (08-3004OP)

Alireza Hasaninejad, Abdolkarim Zare, Mohammad Reza Mohammadzadeh and Mohsen Shekouhy

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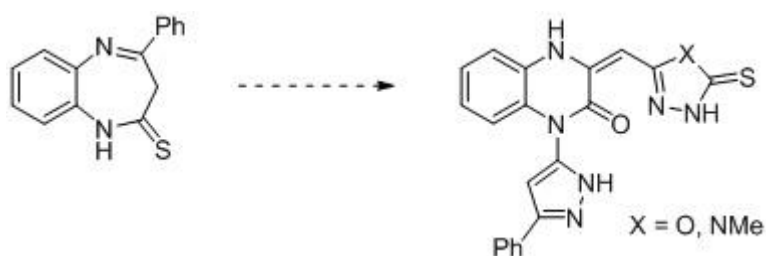
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#### 5. A convenient synthesis of new pyrazolylquinoxalines from 1,5-benzodiazepine-2-thione (08-3198HP)

Mohamadou Lamine Doumbia, Rachid Bouhfid, Noureddine Hamou Ahabchane and El Mokthar Essassi

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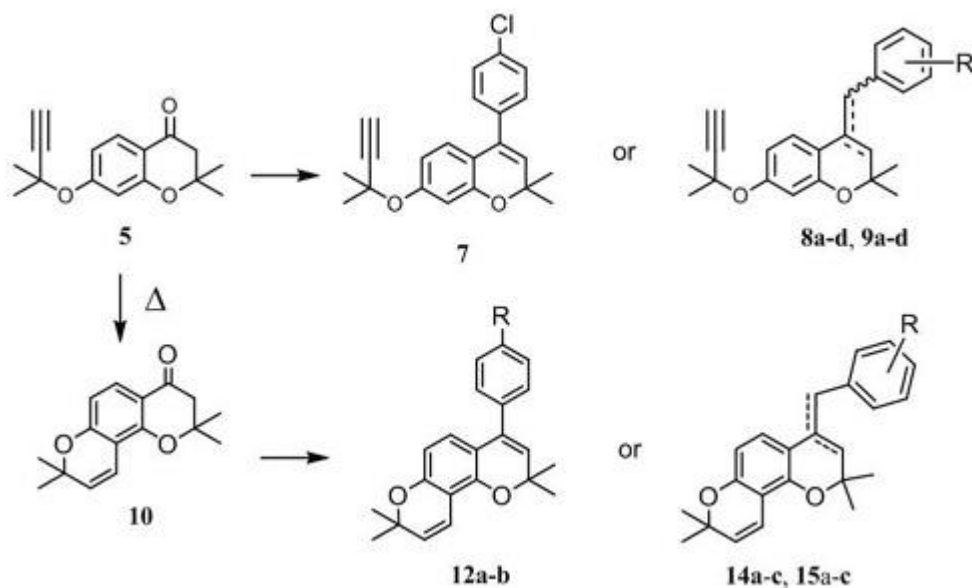
received Apr 24 2008; accepted Jun 2 2008; published Jun 22 2008;

### 6. Synthesis and cytotoxic activity of novel chromenes (08-3057DP)

*Babak Heidary Alizade, Seyed Naser Ostad, Alireza Foroumadi and Abass Shafiee*

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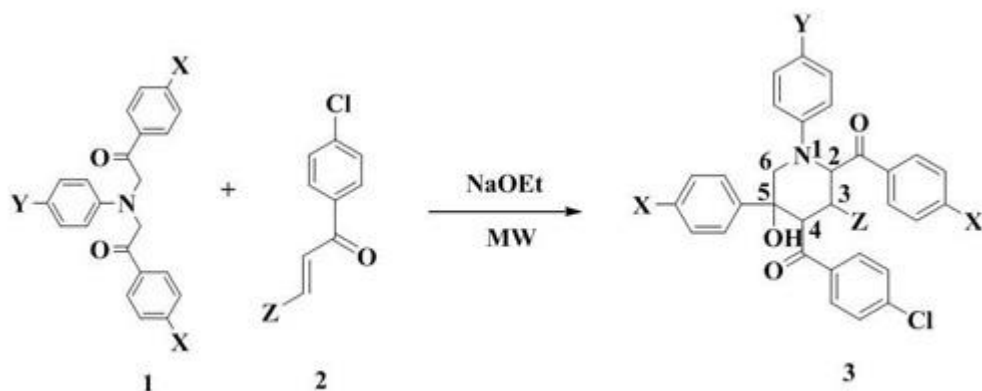
received Feb 16 2008; accepted May 30 2008; published Jun 22 2008;

### 7. A convenient one pot synthesis of highly substituted piperidines through a Michael addition-aldol cyclization sequence (08-3196GP)

*G. Ravindran, S. Muthusubramanian and S. Perumal*

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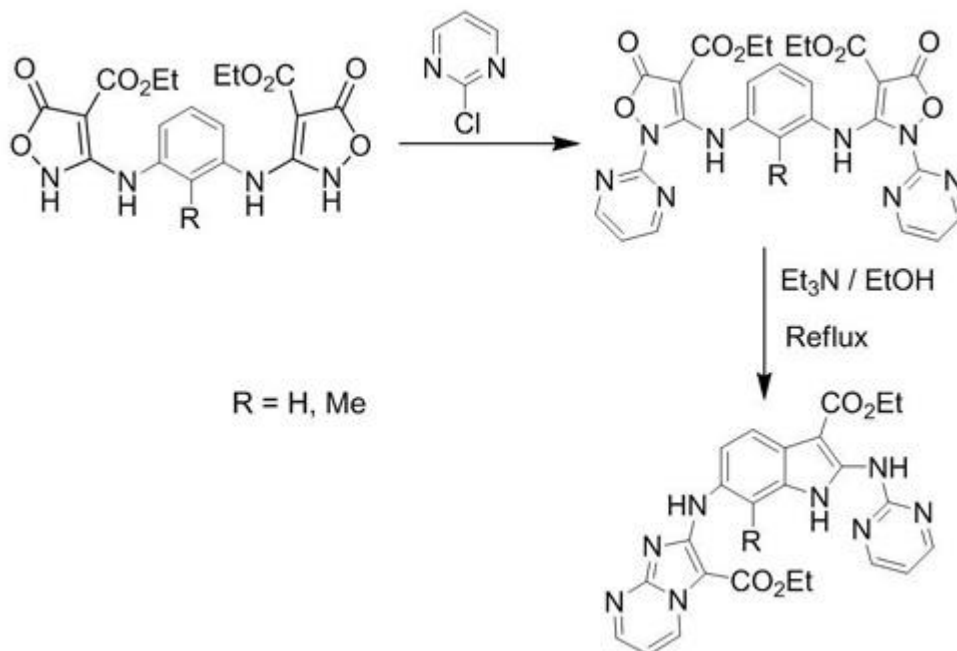
received Apr 24 2008; accepted Jun 6 2008; published Jun 22 2008;

### 8. The synthesis of potential DNA intercalaters 1. Heterocycles from the reaction of aryl bis-isothiocyanates (08-3192CP)

*Ali Reza Molla Ebrahimlo and Jabbar Khalafy*

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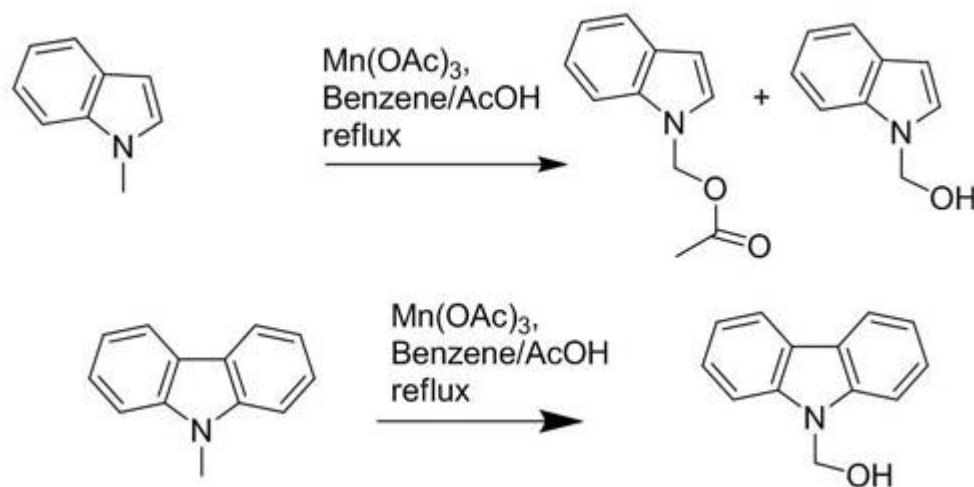
received Apr 22 2008; accepted Jun 5 2008; published Jun 22 2008;

**9. Manganese(III) acetate mediated oxidation of N-methylindol and N-methylcarbazol derivatives (08-3110OP)**

*Ayhan S. Demir and Servet Tural*

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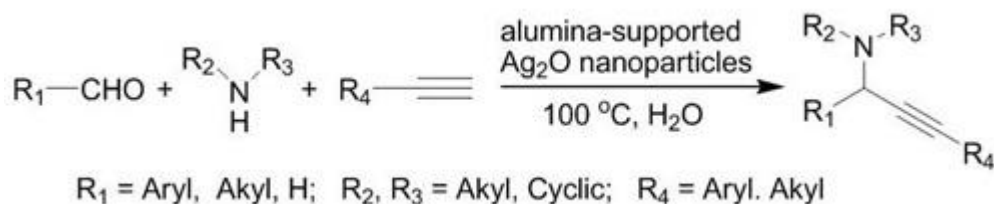
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**10. Nanoparticles of silver oxide immobilized on different templates: Highly efficient catalyst for three-component coupling of aldehyde-amine-alkyne (08-3156KP)**

*Yuqing Zhou, Tingting He and Zhiyong Wang*

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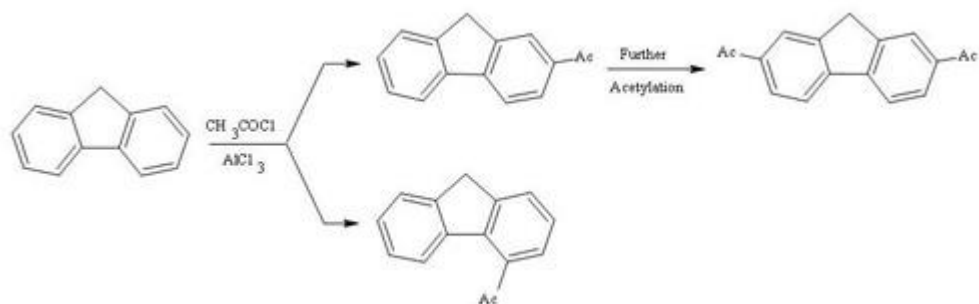
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**11. The synthesis of mono- and diacetyl-9H-fluorenes. Reactivity and selectivity in the Lewis acid catalyzed Friedel-Crafts acetylation of 9H-fluorene (08-3040KP)**

*Salam J.J. Titinchi, Fadhil S. Kamounah, Hanna S. Abbo and Ole Hammerich*

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received Feb 5 2008; accepted Jun 8 2008; published Jun 29 2008;

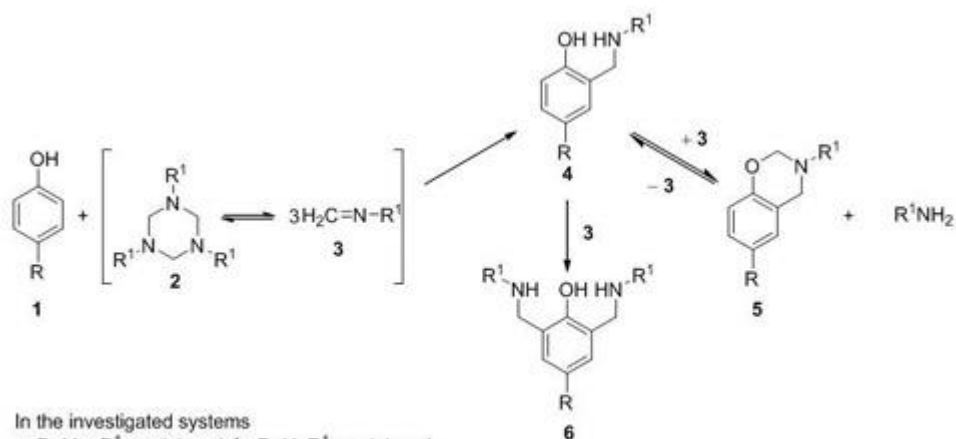
## 12. o-Aminomethyl derivatives of phenols. Part 3. Mechanistic investigation of a Mannich reaction of phenols with N-methylenealkylamines (08-3126GP)

Krzysztof Bujnowski, Agnieszka Adamczyk-Woźniak and Ludwik Synoradzki

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Supplementary Material: [PDF \(749K\)](#)

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In the investigated systems

a:  $\text{R}=\text{Me}$ ,  $\text{R}^1=\text{cyclohexyl}$ ; b:  $\text{R}=\text{H}$ ,  $\text{R}^1=\text{cyclohexyl}$ ;

c:  $\text{R}=\text{R}^1=t\text{Bu}$ ; d:  $\text{R}=t\text{Oc}$ ,  $\text{R}^1=n\text{Pr}$ ;

e:  $\text{R}=t\text{Oc}$ ,  $\text{R}^1=i\text{Pr}$ .

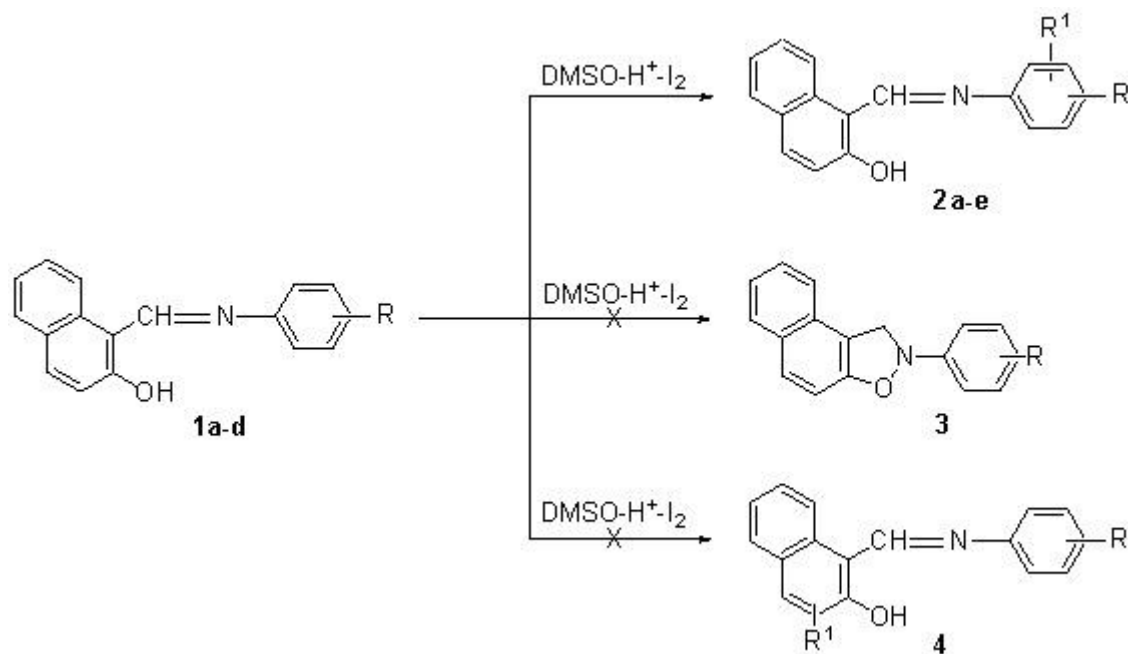
received Mar 19 2008; accepted Jun 9 2008; published Jun 29 2008;

## 13. Novel electrophilic aromatic iodine substitution of some naphtholic Schiff bases (08-3055BP)

Murat Gündüz, Sevim Bilgiş, \* Orhan Bilgiş and Devrim Aşık

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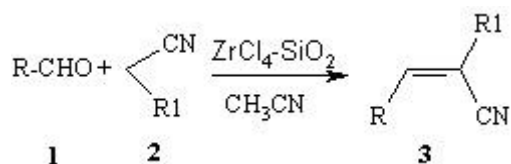
received Feb 13 2008; accepted May 27 2008; published Jun 29 2008;

#### 14. Zirconium tetrachloride- $\text{SiO}_2$ catalyzed Knoevenagel condensation: A simple and efficient protocol for the synthesis of substituted electrophilic alkenes (08-2923GP)

*M. Vijender, P. Kishore and B. Satyanarayana*

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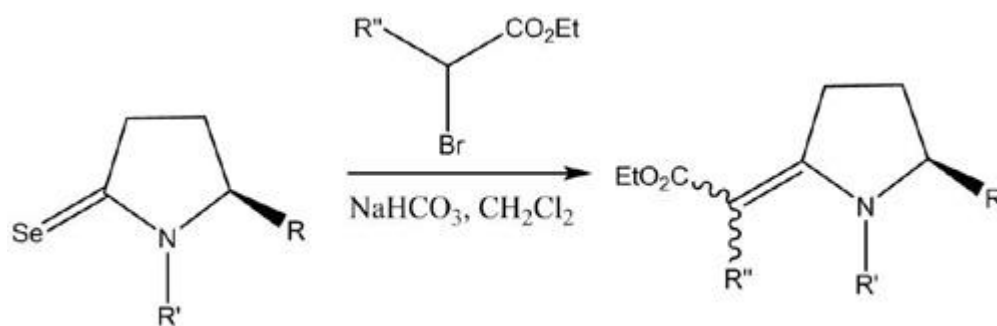
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#### 15. Eschenmoser coupling reaction of selenoamides. Synthesis of enamino esters (08-3104GP)

*Syed R. Hussaini and Gerald B. Hammond*

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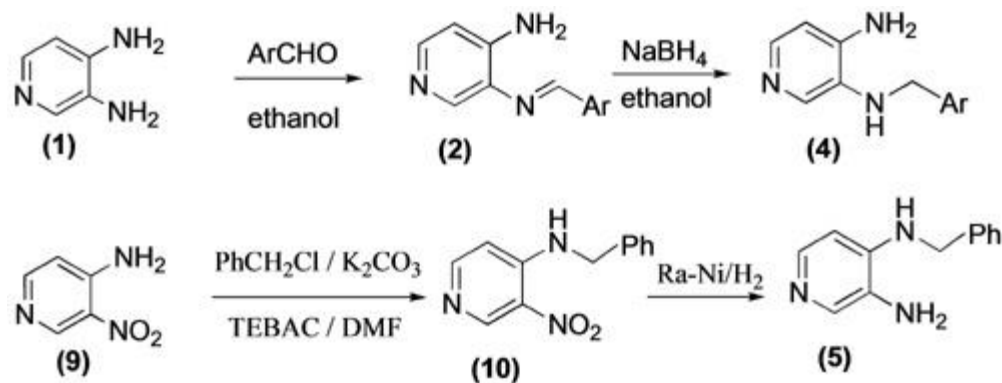
received Mar 10 2008; accepted Jun 21 2008; published Jul 8 2008;

### 16. Unambiguous structural assignment of monoanils of 3,4-pyridinedi- amine via regioselective synthesis (08-3189UP)

*Pramod K. Dubey, Chowdary K. S., Ramesh B. and Prasada Reddy P. V. V.*

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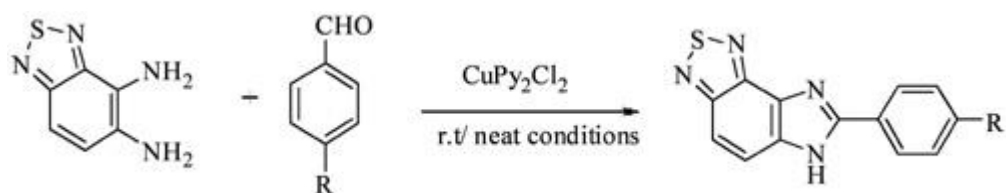
### 17. Dipyridine copper chloride as a mild and efficient catalyst for the solid state synthesis of 2-substituted benzimidazoles (08-3015MP)

*J. Venu Madhav, B. Suresh Kuarm and B. Rajitha*

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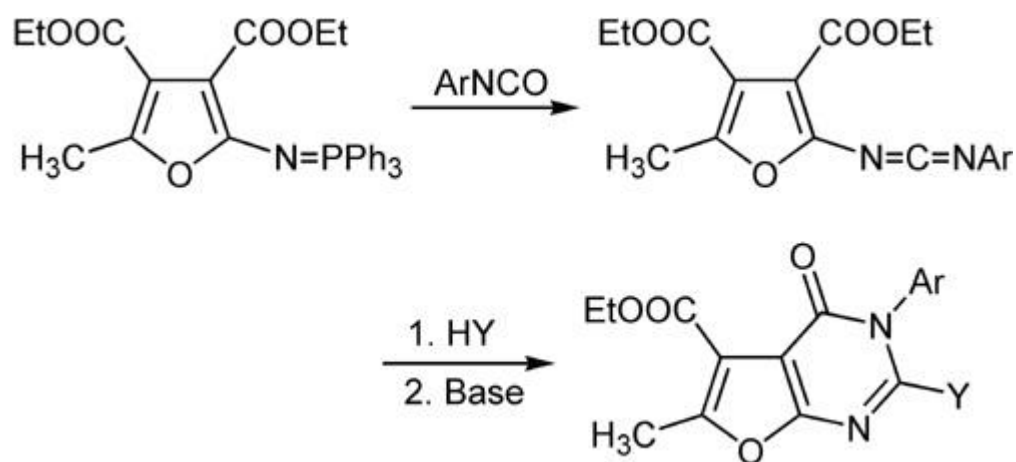
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### 18. Efficient synthesis of furo[2,3-*d*]pyrimidin-4(3*H*)-ones (08-2961GP)

Yang-Gen Hu, Gui-Hua Li and Ming-Wu Ding

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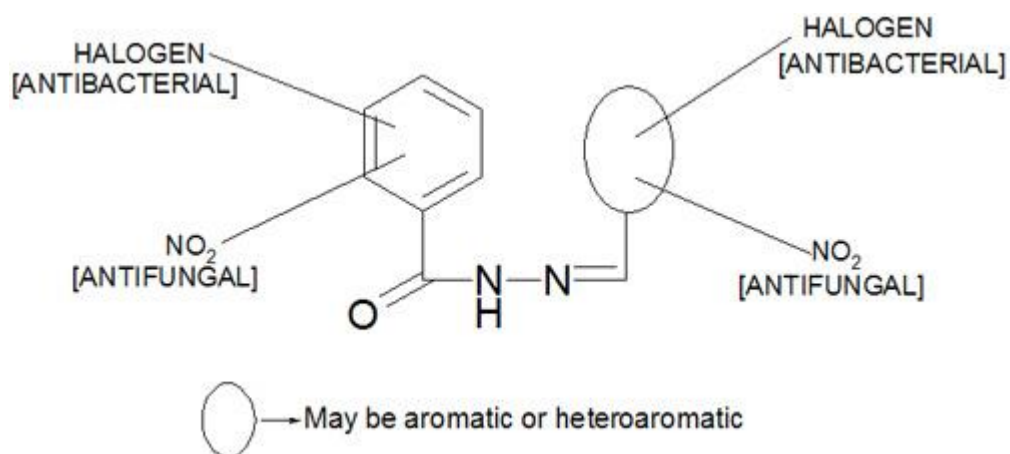
received Dec 27 2007; accepted Jun 22 2008; published Jul 8 2008;

### 19. Substituted benzoic acid benzylidene/furan-2-yl-methylene hydrazides: synthesis, antimicrobial evaluation and QSAR analysis (08-3254LP)

Pradeep Kumar, Balasubramanian Narasimhan and Deepika Sharma

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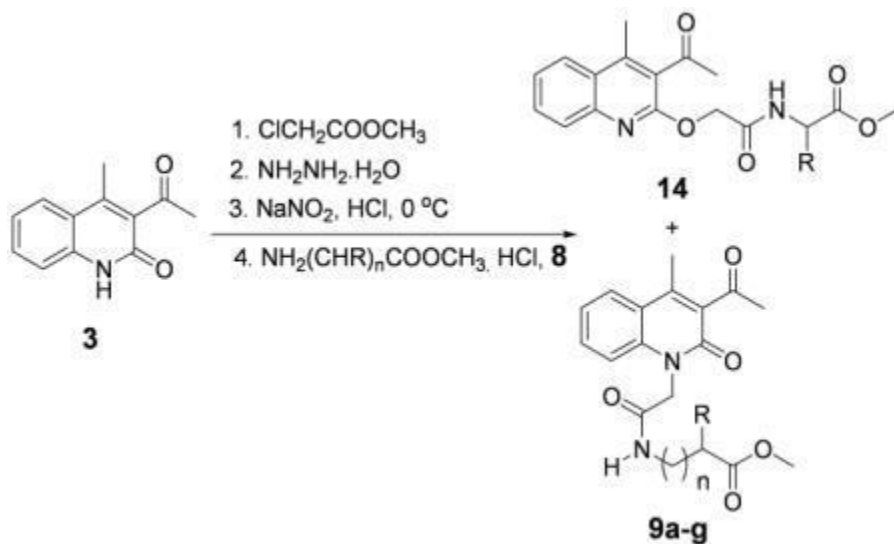
received May 21 2008; accepted Jun 18 2008; published Jul 8 2008;

## 20. Convenient syntheses of methyl 2-[2-(3-acetyl-4-methyl-2-oxo-1,2-dihydroquinolin-1-yl)acetamido] alkananoates and their *O*-regioisomers (08-3114MP)

*Ibrahim A. I. Ali, Walid Fathalla and S. M. El Rayes*

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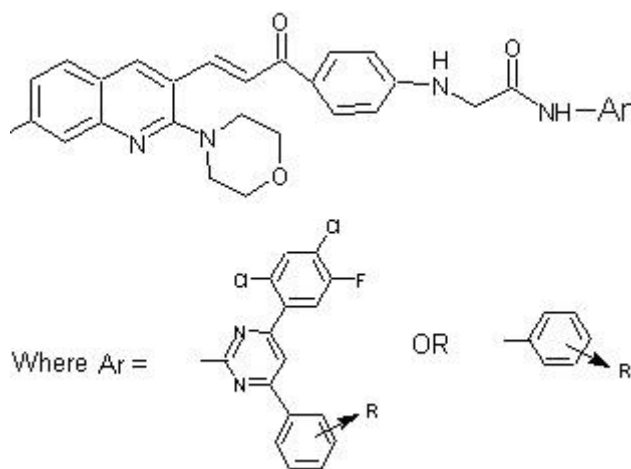


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## 21. Design, synthesis and evaluation of novel quinolinyl chalcones as antibacterial agents (08-3176UP)

*Kishor H. Chikhaliya, Mayank J. Patel and Dhaval B. Vashi*

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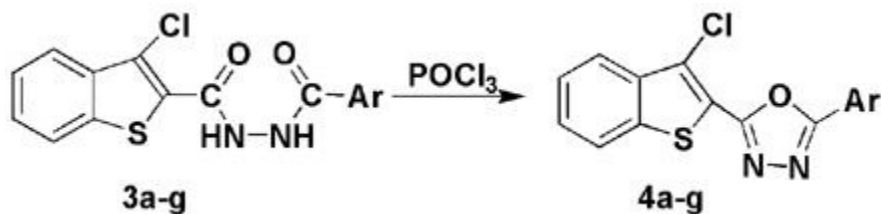
received Apr 11 2008; accepted Jun 15 2008; published Jul 13 2008;

**22. New non-symmetrical 2,5-disubstituted-1,3,4-oxadiazoles bearing a benzo[*b*]thiophene moiety**  
(08-3097EP)

*Codruța C. Paraschivescu, Florea Dumitrașcu, Constantin Drăghici, Lavinia L. Ruță, Mihaela Matache, Ion Baciuc and Cristian Dobrotă*

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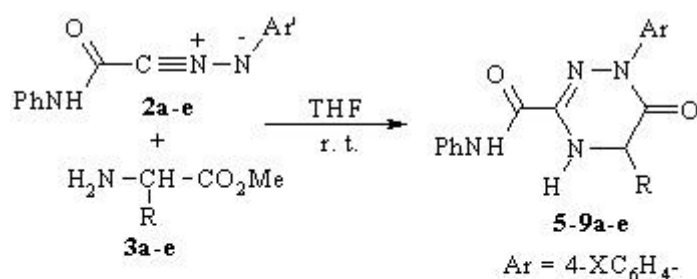
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**23. Heterocyclic synthesis using nitrilimines: Part 10. Synthesis of 1-aryl-3-phenylaminocarbonyl-4,5-dihydro-1,4,5-triazin-6-ones** (08-3223UP)

*Hany M. Dalloul, El-Hossain A. R. Mohamed, Hashem Z. Shorafa and Ali Z. El-Shorafa*

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Entry	a	b	c	d	e
R	H	Me	Ph	CHMe <sub>2</sub>	CH <sub>2</sub> Ph
X	H	Cl	Br	F	Me

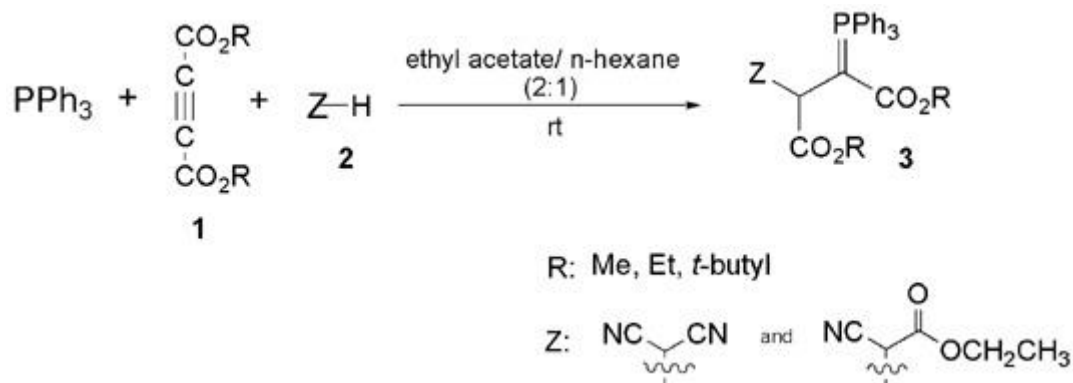
received May 10 2008; accepted Jun 15 2008; published Jul 13 2008;

#### 24. A simple synthesis of stable phosphorus ylides from reaction between triphenylphosphine and acetylenic esters in the presence of CH-acid compounds (08-3103HP)

Malek Taher Maghsoodlou, Hamid Reza Shaterian, Ghasem Marandi, Fahimeh Shahraki Poor and Jaber Salehzadeh

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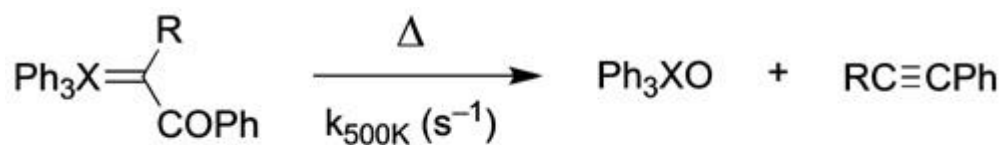
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#### 25. Kinetics and mechanism of gas-phase pyrolysis of ylides. Part 2.<sup>1</sup> Analysis and comparison of molecular reactivities of benzoyl-stabilized methylenetriphenylphosphorane and triphenylarsorane ylides (08-2490FP)

Rasha F. Al-Bashir, Nouria A. Al-Awadi and Osman M. E. El-Dusouqui

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X = P; R = H, COPh, Ph, CO<sub>2</sub>Et, SPh, Et

X = As; R = H, COPh, Ph, CO<sub>2</sub>Et

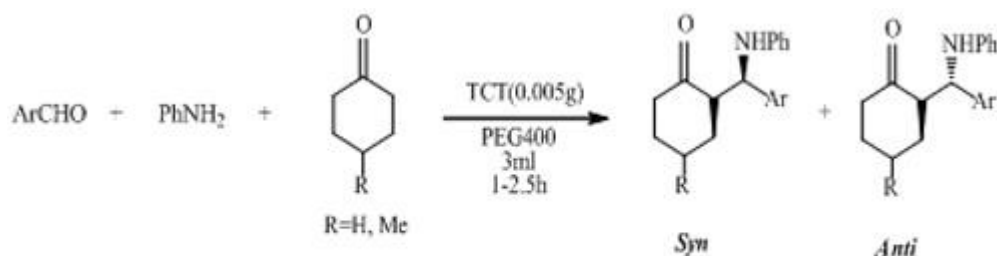
received May 2 2007; accepted Jul 4 2008; published Jul 17 2008;

**26. Polyethyleneglycol an efficient solvent for stereoselective synthesis of  $\beta$ -amino ketones via direct Mannich reaction (08-2940MP)**

Mohammad A. Bigdeli, Majid M. Heravi, Firouzeh Nemati and Gholam Hossein Mahdavinia

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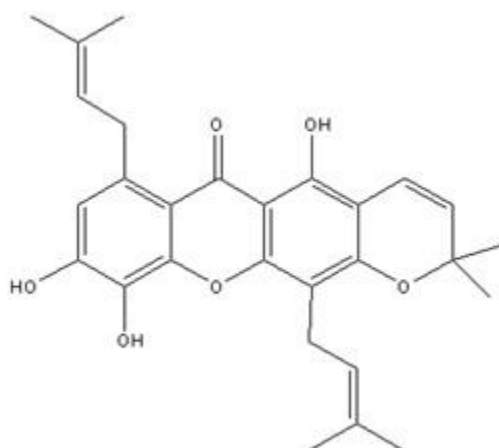
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**27. A new pyranoxanthone from the stem of *Calophyllum membranaceum* (08-3125EP)**

Guang-Ying Chen, Guo-Yuan Zhu, Chang-Ri Han, Huoming Shu and Xiao-Ping Song

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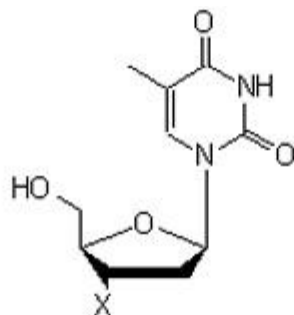
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**28. Theoretical investigation of 3'-substituted-2'-3'-dideoxythymidines related to AZT. SAR, infrared and substituent electronic effect studies (08-3152DP)**

*Ali Hashem Essa, Medhat Ibrahim, Ali Jameel Hameed and Najim A. Al-Masoudi*

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Structural diagram of 3'-substituted 3'-deoxythymidines

	1	2	3	4	5	6	7	8	9	10	11
X	H	F	Cl	CH <sub>3</sub>	OMe	COMe	CO <sub>2</sub> H	NO	CN	NCO	NCHAr

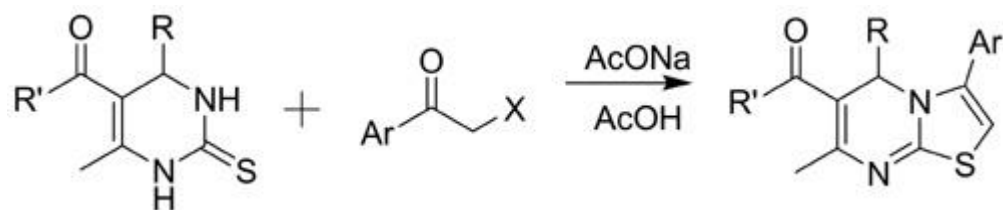
received Mar 27 2008; accepted Jun 22 2008; published Jul 17 2008;

**29. 5H-thiazolo[3,2-a]pyrimidine derivatives as a new type of acetylcholinesterase inhibitors (08-3154GP)**

*Hui Zhi, Lanmei Chen, Linlin Zhang, Sijie Liu, David Chi Cheong Wan, Huangquan Lin and Chun Hu*

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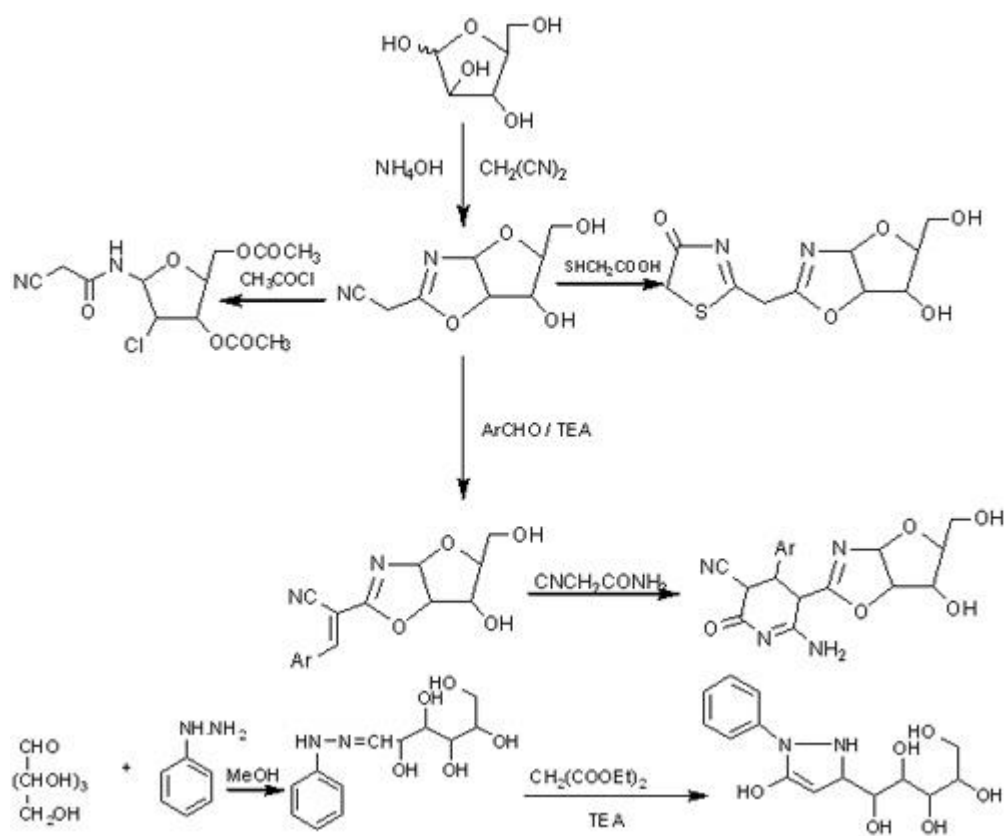
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### 30. Synthesis of some new C-nucleosides by used l-arabinose and d-glucose (08-3220JP)

Ahmed Fouad EL-Faragy and Amira Atef Ghonium

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