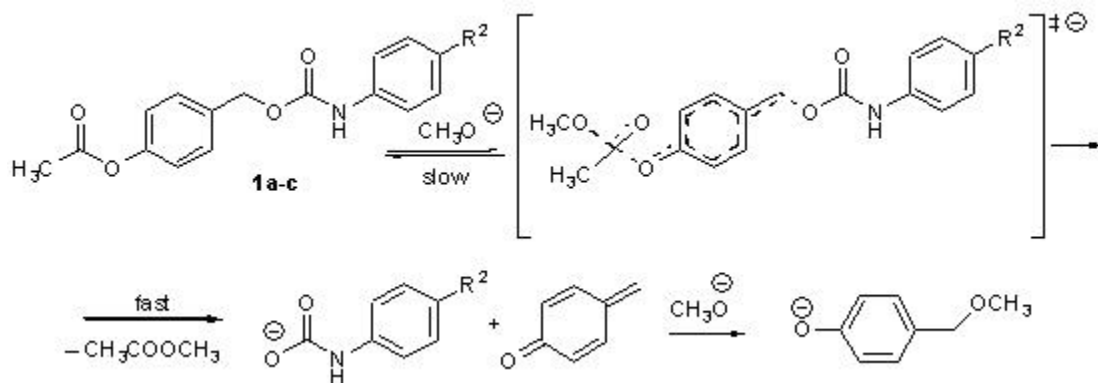


**1. Substituted benzyl *N*-phenylcarbamates – their solvolysis and inhibition activity to acetylcholinesterase and butyrylcholinesterase (09-3542GP)**

*Miloš Sedlář, Jiří Hanusek, Pavel Drabina, Šárka Štěpánková and Alexander Čegan*

Full Text: [PDF \(329K\)](#)

pp. 1 - 11



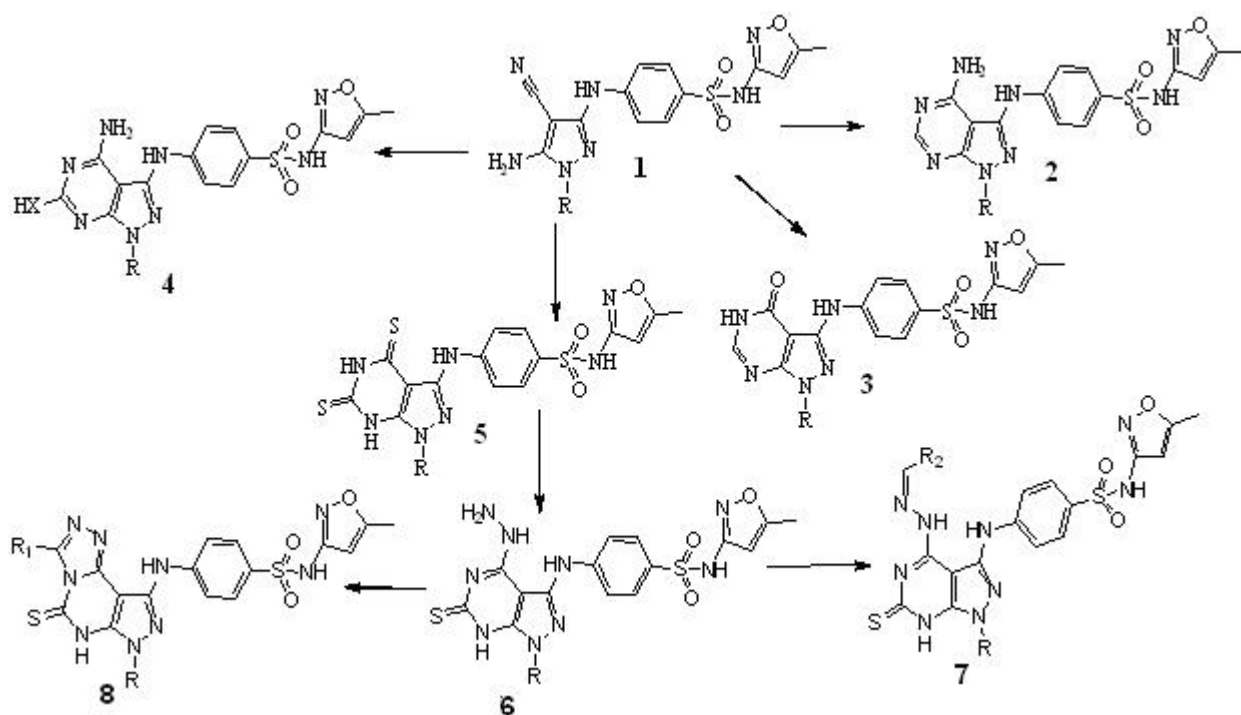
received Sep 24 2008; accepted Feb 16 2009; published Feb 25 2009;

**2. Structure-based design of a new class of highly selective pyrazolo[3,4-*d*]pyrimidines based inhibitors of cyclin dependent kinases (09-3637AP)**

*Diaa A. Ibrahim, Amira M. El-Metwally and Elham E. Al-Arab*

Full Text: [PDF \(430K\)](#)

pp. 12 - 25



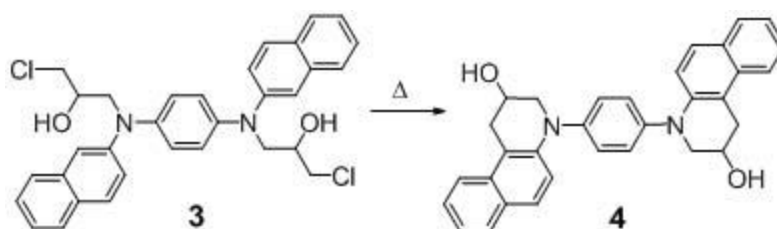
received Nov 8 2008; accepted Feb 19 2009; published Feb 25 2009;

### 3. Synthesis of a bifunctional 1,2,3,4-tetrahydroquinoline derivative: 4,4'-(1,4-phenylene)di(1,2,3,4-tetrahydrobenzo[f]quinolin-2-ol) (09-3519OP)

*Rimgaile Degutyte, Jolanta Stumbraite and Vytautas Getautis*

Full Text: [PDF \(113K\)](#)

pp. 26 - 32



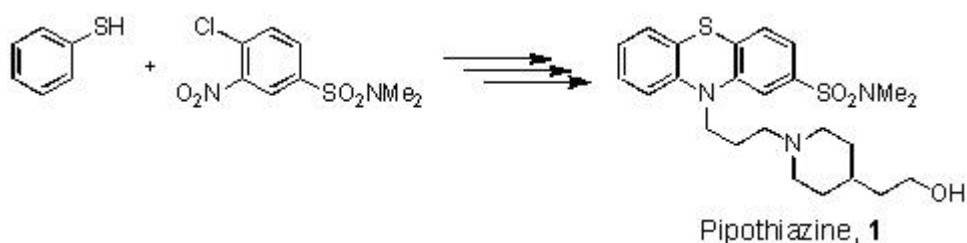
received Sep 17 2008; accepted Feb 18 2009; published Mar 15 2009;

### 4. An alternative synthetic route to the neuroleptic compound Pipothiazine (09-3541FP)

*Gabriela P. Sarmiento, Graciela Y. Moltrasio and Albertina G. Moglioni*

Full Text: [PDF \(265K\)](#)

pp. 33 - 41



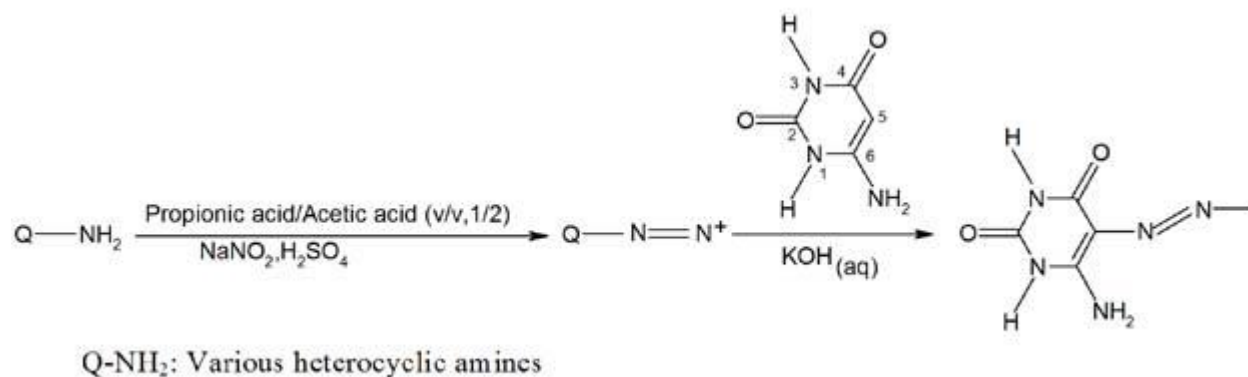
received Sep 25 2008; accepted Feb 24 2009; published Mar 22 2009;

### 5. A study on tautomeric investigation of new hetarylazo-6-aminouracil (09-3645HP)

Zeynel Seferoğlu

Full Text: [PDF \(373K\)](#)

pp. 42 - 57



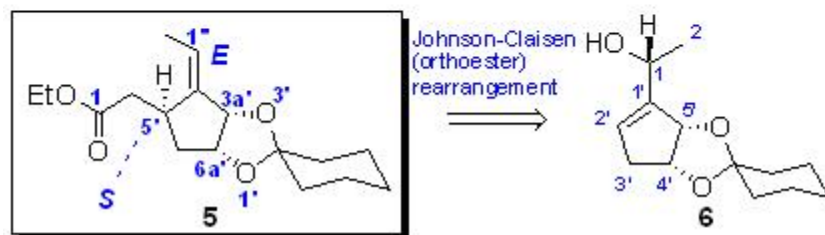
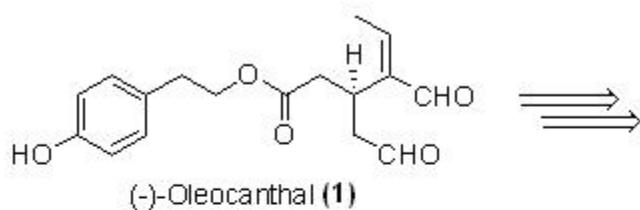
received Nov 10 2008; accepted Feb 18 2009; published Mar 22 2009;

### 6. Synthetic studies towards the anti-inflammatory agent, oleocanthal using a Johnson–Claisen (orthoester) rearrangement strategy (09-3827DP)

Jui Thiang Brian Kueh, Patrick D. O'Connor, Helmut Hölzel and Margaret A. Brimble

Full Text: [PDF \(620K\)](#)

pp. 58 - 71



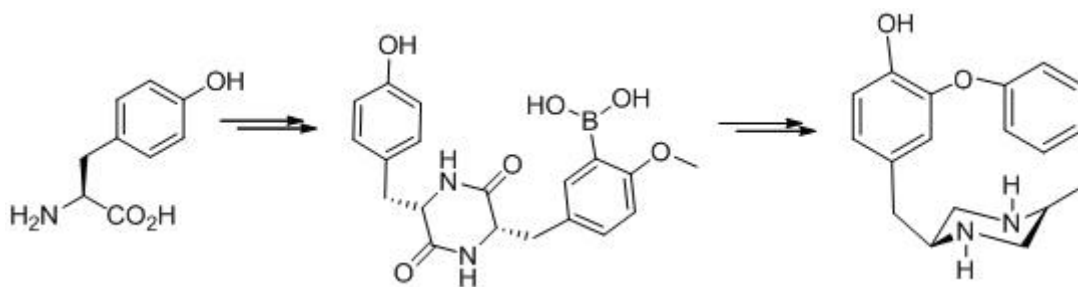
received Feb 3 2009; accepted Feb 28 2009; published Mar 27 2009;

### 7. Formal synthesis of piperazinomycin, a novel antifungal antibiotic (09-3750OP)

*Samir Ghosh, A.Sanjeev Kumar, G.N. Mehta, R. Soundararajan and Subhabrata Sen*

Full Text: [PDF \(150K\)](#)

pp. 72 - 78



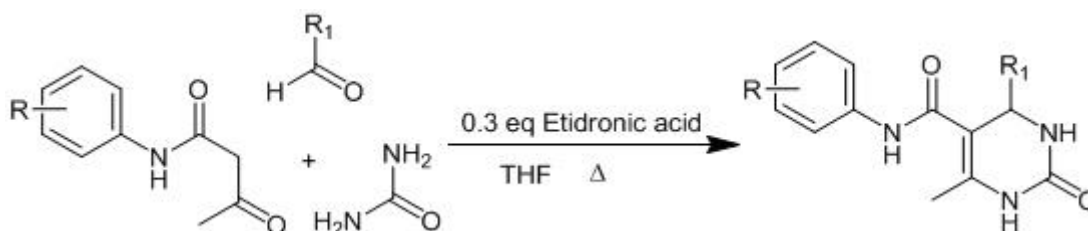
received Jan 4 2009; accepted Feb 23 2009; published Mar 27 2009;

### 7. One-pot synthesis of 5-carboxanilide-dihydropyrimidinones using etidronic acid (09-3774JP)

*Akshay M. Pansuriya, Mahesh M. Savant, Chirag V. Bhuv, Jyoti Singh and Yogesh T. Naliapara*

Full Text: [PDF \(186K\)](#)

pp. 79 - 85



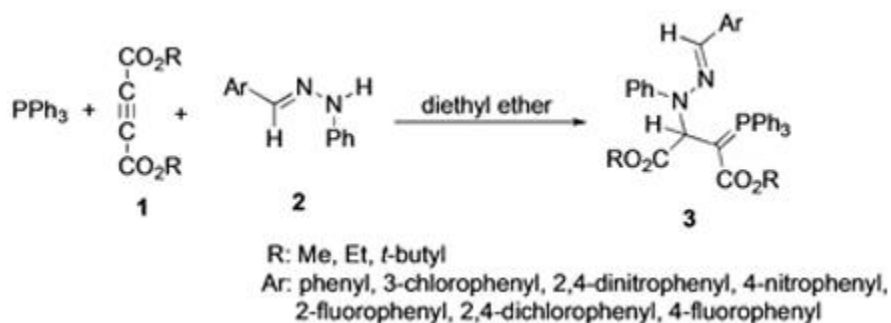
received Jan 10 2009; accepted Feb 27 2009; published Mar 27 2009;

**9. One-pot synthesis of stable phosphorus ylides using aldehyde phenylhydrazone derivatives (09-3706UP)**

*Malek Taher Maghsoodlou, Nourallah Hazeri, Reza Heydari, Sayyed Mostafa Habibi Khorassani, Farahnaz Barahuie and Ghasem Marandi*

Full Text: [PDF \(218K\)](#)

pp. 86 - 97



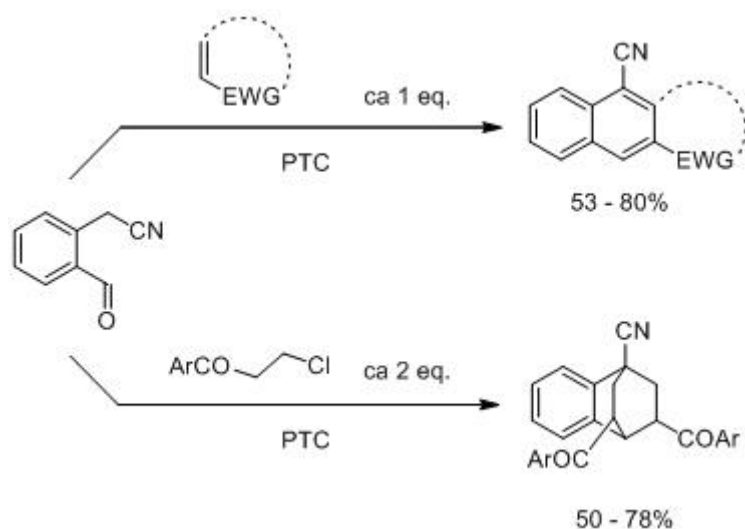
received Dec 14 2008; accepted Feb 18 2009; published Apr 3 2009;

**10. 2-Cyanomethylbenzaldehyde – useful substrate for preparation of some 1,3-di- and 1,2,3-trisubstituted naphthalenes or substituted 1-cyanobenzobicyclo[2.2.2]octenes (09-3654BP)**

*Marek Panasiewicz, Tadeusz Zdrojewski, Krzysztof Chrulski, Anna Wojtasiewicz and Andrzej Jończyk*

Full Text: [PDF \(341K\)](#)

pp. 98 - 110



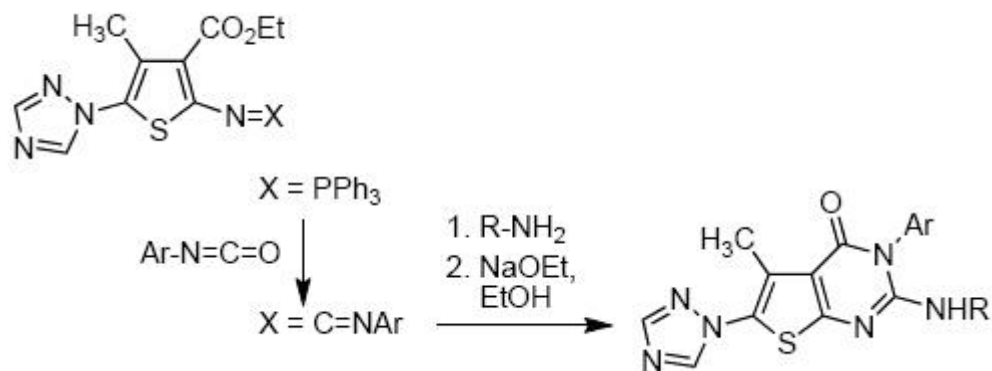
received Nov 14 2008; accepted Feb 18 2009; published Apr 7 2009;

### 11. Efficient synthesis and fungicidal activities of 2-alkylamino-6-(1*H*-1,2,4-triazol-1-yl)-thieno[2,3-*d*]pyrimidin-4(3*H*)-ones (09-3659FP)

Yong Sun, Jing Wu, Jian Wan and Ming-Wu Ding

Full Text: [PDF \(131K\)](#)

pp. 111 - 118

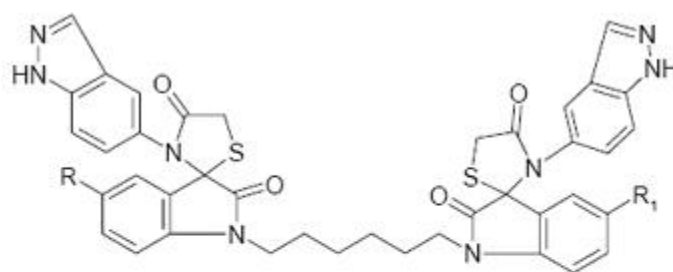


received Nov 19 2008; accepted Mar 15 2009; published Apr 7 2009;

### 12. Synthesis of novel symmetrical and unsymmetrical bis-spiro[indole-indazoly]-thiazolidine]-2,4'-diones (09-3735EP)

Pankaj Khanna, Anjali Saxena, Leena Khanna, Sunita Bhagat and Subhash C. Jain

Full Text: [PDF \(112K\)](#)  
pp. 119 - 125



**5 a-f**

- |   |  |
|---|--|
| <b>a</b> R = R <sub>1</sub> = H               | <b>d</b> R = H, R <sub>1</sub> = F               |
| <b>b</b> R = R <sub>1</sub> = F               | <b>e</b> R = H, R <sub>1</sub> = CH <sub>3</sub> |
| <b>c</b> R = R <sub>1</sub> = CH <sub>3</sub> | <b>f</b> R = F, R <sub>1</sub> = CH <sub>3</sub> |

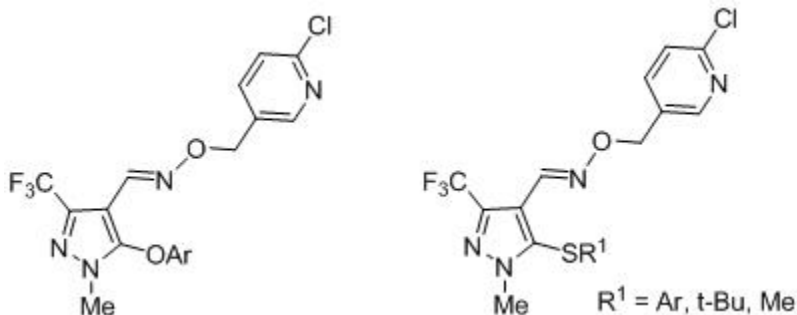
received Dec 22 2008; accepted Mar 15 2009; published Apr 7 2009;

### 13. Synthesis and bioactivities of novel trifluoromethylated pyrazole oxime ether derivatives containing a pyridyl moiety (09-3723JP)

*Hong Dai, Hai-Bo Yu, Jian-Bing Liu, Yong-Qiang Li, Xue Qin, Xin Zhang, Zhen-Fang Qin, Ting-Ting Wang and Jian-Xin Fang*

Full Text: [PDF \(376K\)](#)

pp. 126 - 142

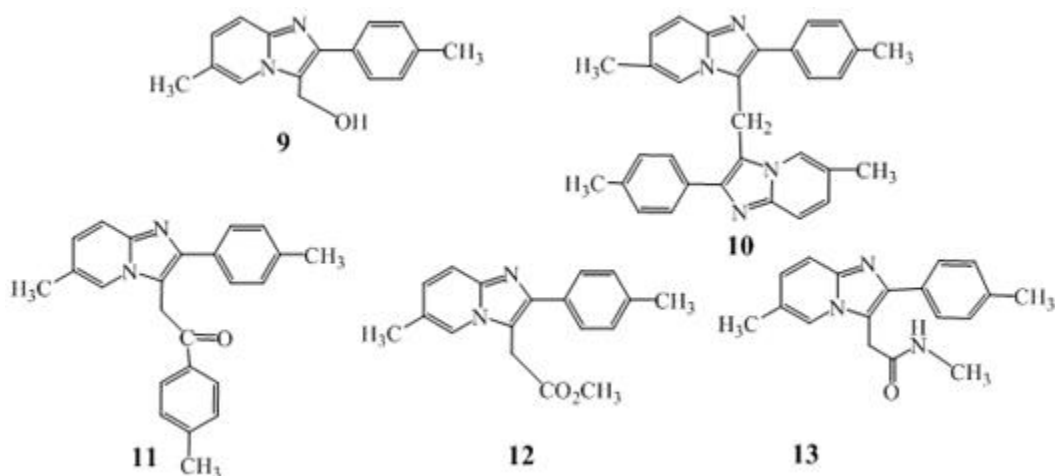


received Dec 22 2008; accepted Mar 25 2009; published Apr 7 2009;

### 14. Synthesis and spectral characterization of zolpidem related substances - hypnotic agent (09-3758AP)

*Yasareni Sumalatha, Padi Pratap Reddy, Ranga Reddy and Bollikonda Satyanarayana*

Full Text: [PDF \(135K\)](#)  
pp. 143 - 149



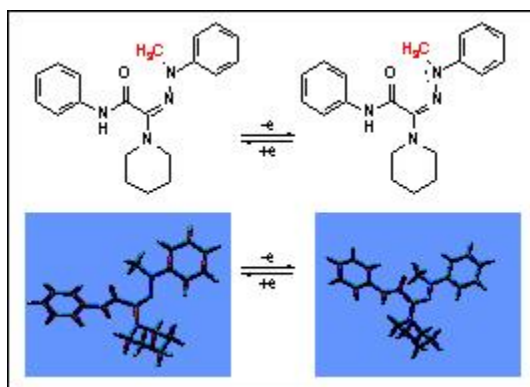
received Jan 6 2009; accepted Mar 28 2009; published Apr 7 2009;

### 15. Open-chain and cyclic amidrazones forming persistent radicals. An electrochemical and quantum chemical study (09-3680FP)

*Fabian Krauth, Rudolf Friedemann, Hans-Hermann Rättinger and Petra Froberg*

Full Text: [PDF \(636K\)](#)

pp. 150 - 164



received Nov 27 2008; accepted Mar 20 2009; published Apr 8 2009;

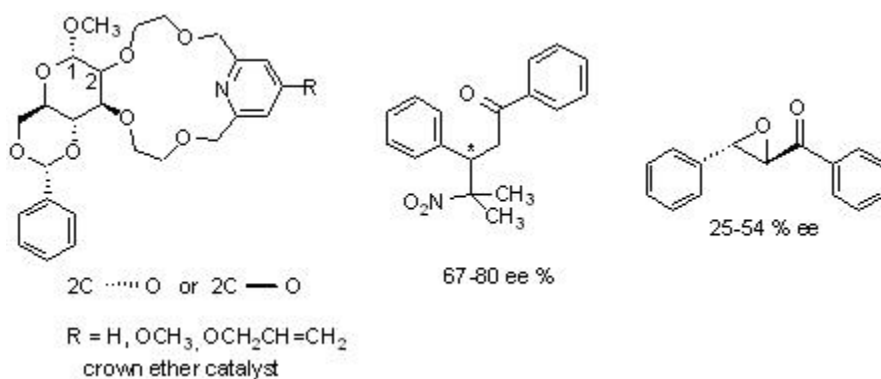
### 16. Synthesis of chiral pyridino-15-crown-5 type ligands containing $\alpha$ -D-hexapyranoside unit and their application in asymmetric synthesis (09-3717DP)

*Attila Maká, Péter Bak, Áron Széllósy, Tibor Bak, Csaba Peltz and Péter Keglevich*



Full Text: [PDF \(303K\)](#)

pp. 165 - 179



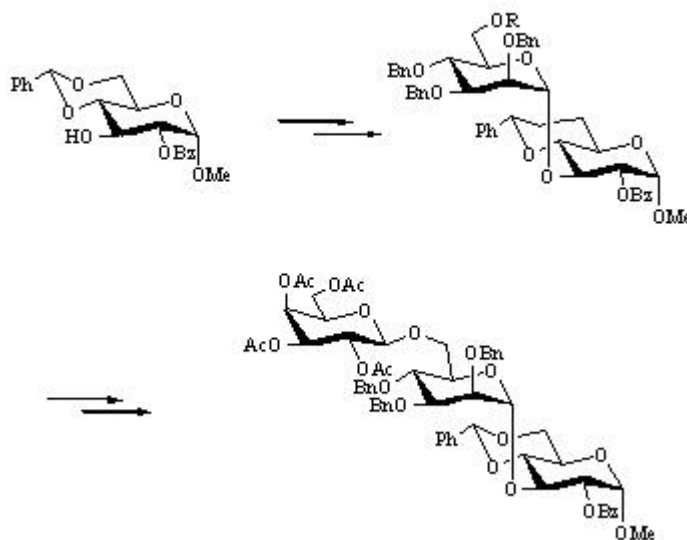
received Dec 19 2008; accepted Mar 15 2009; published Apr 8 2009;

### 17. Convergent synthesis of a blocked trisaccharide fragment related to the exopolysaccharide from *Burkholderia cepacia* (09-3834JP)

Jayant Srivastava, Anakshi Khare and Naveen K. Khare

Full Text: [PDF \(241K\)](#)

pp. 180 - 188



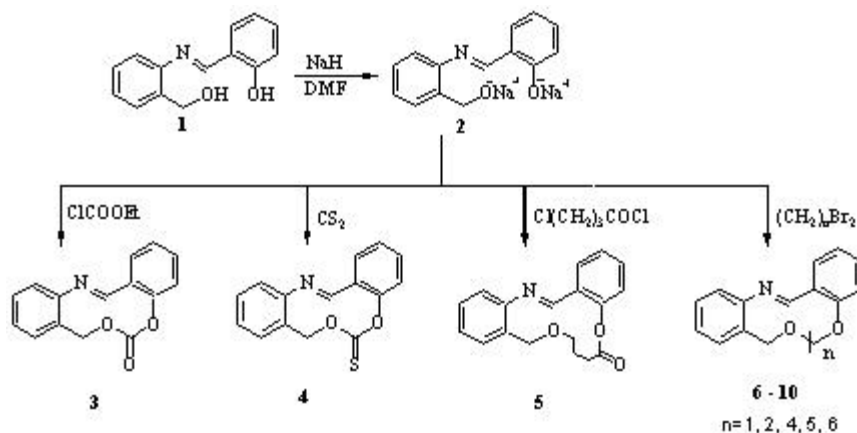
received Feb 5 2009; accepted Mar 20 2009; published Apr 8 2009;

### 18. Facile one pot synthesis of dioxazadibenzocyclodecene-6-one, 6-thione and other homologues (09-3858UP)

M. S. Singh, Pratibha Singh, Pallavi Singh and Ashutosh Gupta

Full Text: [PDF \(305K\)](#)

pp. 189 - 196



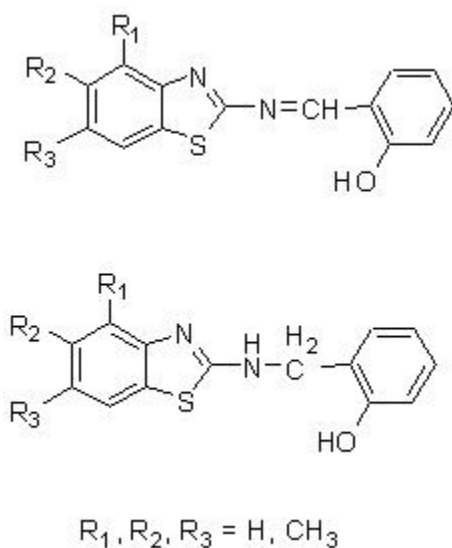
received Feb 17 2009; accepted Mar 26 2009; published Apr 8 2009;

### 19. Determination and evaluation of acid dissociation constants of some novel benzothiazole Schiff bases and their reduced analogs by spectroscopy (09-3582QP)

Cemil Aġretir, Kamuran Gġrgġn, Mġġjan Aġzkġtġk and Handan Can Sakarya

Full Text: [PDF \(300K\)](#)

pp. 197 - 209



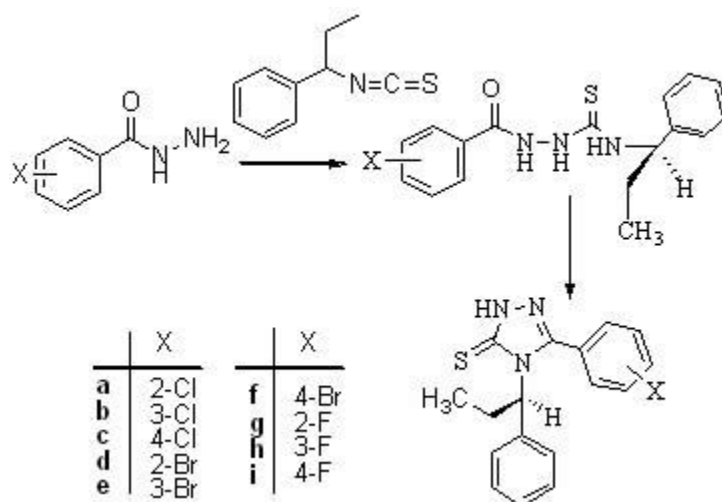
received Oct 17 2008; accepted Mar 29 2009; published Apr 8 2009;

**20. Synthesis, urease inhibition and antimicrobial activities of some chiral 5-aryl-4-(1-phenylpropyl)-2H-1,2,4-triazole-3-(4H)-thiones (09-3615NP)**

Monazza Serwar, Tashfeen Akhtar, Shahid Hameed and Khalid M. Khan

Full Text: [PDF \(259K\)](#)

pp. 210 - 221



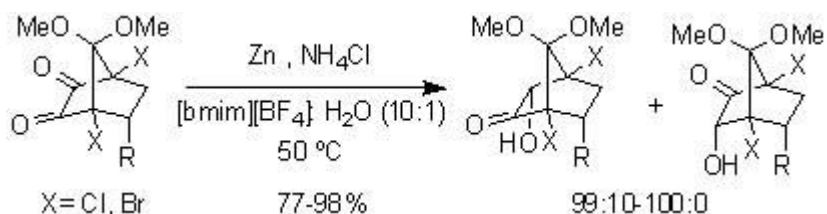
received Oct 30 2008; accepted Mar 30 2009; published Apr 12 2009;

**21. An efficient method for zinc mediated reduction of norbornyl  $\alpha$ -diketones in [bmim][BF<sub>4</sub>]:H<sub>2</sub>O (09-3689AP)**

Faiz Ahmed Khan and Ch. Sudheer

Full Text: [PDF \(139K\)](#)

pp. 222 - 228



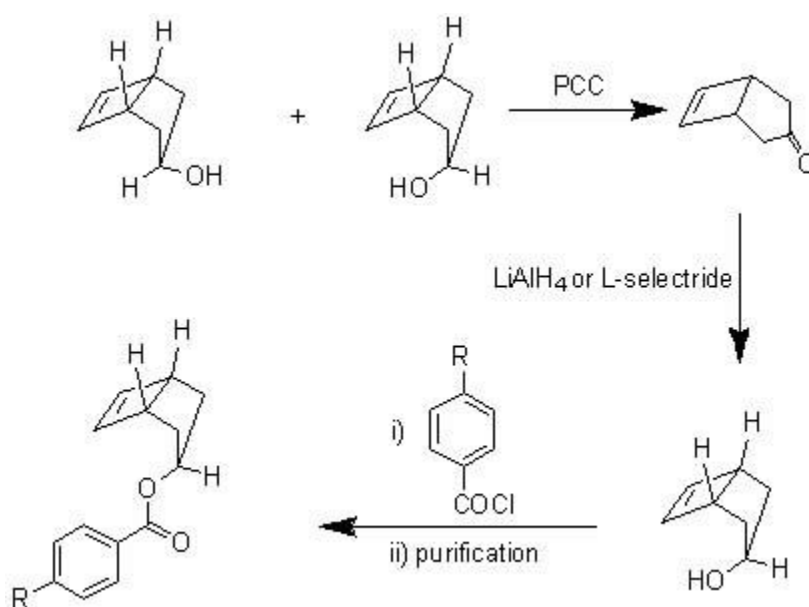
received Dec 3 2008; accepted Mar 25 2009; published Apr 12 2009;

**22. An efficient strategy towards the synthesis of epimerically pure *endo*-bicyclo[3.2.0]hept-6-en-3-yl benzoates (09-3741HP)**

Ze Zhang, Qing-Ping Song, Guan-Wu Wang and Tien-Yau Luh

Full Text: [PDF \(204K\)](#)

pp. 229 - 236



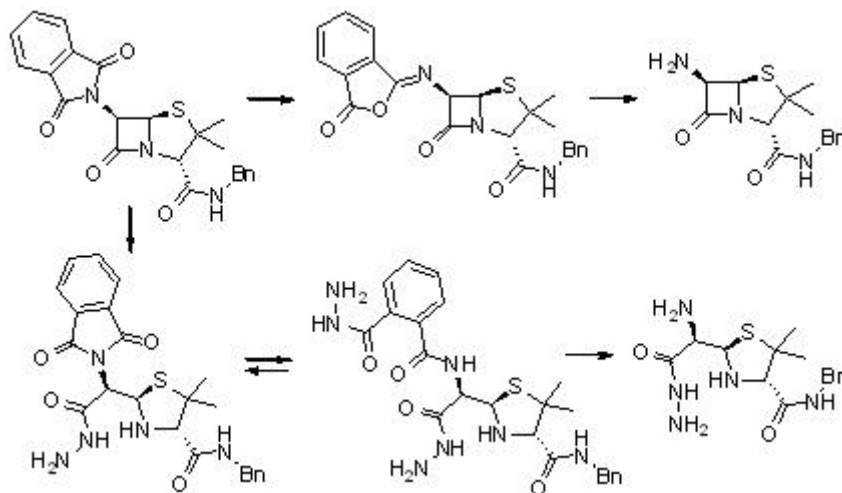
received Dec 29 2008; accepted Mar 26 2009; published Apr 12 2009;

### 23. Hydrazinolysis study of phthalimido- and phthalisoimido-penicillin amide derivatives (09-3851KP)

Helena Cerić and Marija Ašindler-Kulyk

Full Text: [PDF \(299K\)](#)

pp. 237 - 246



received Feb 13 2009; accepted Apr 3 2009; published Apr 18 2009;

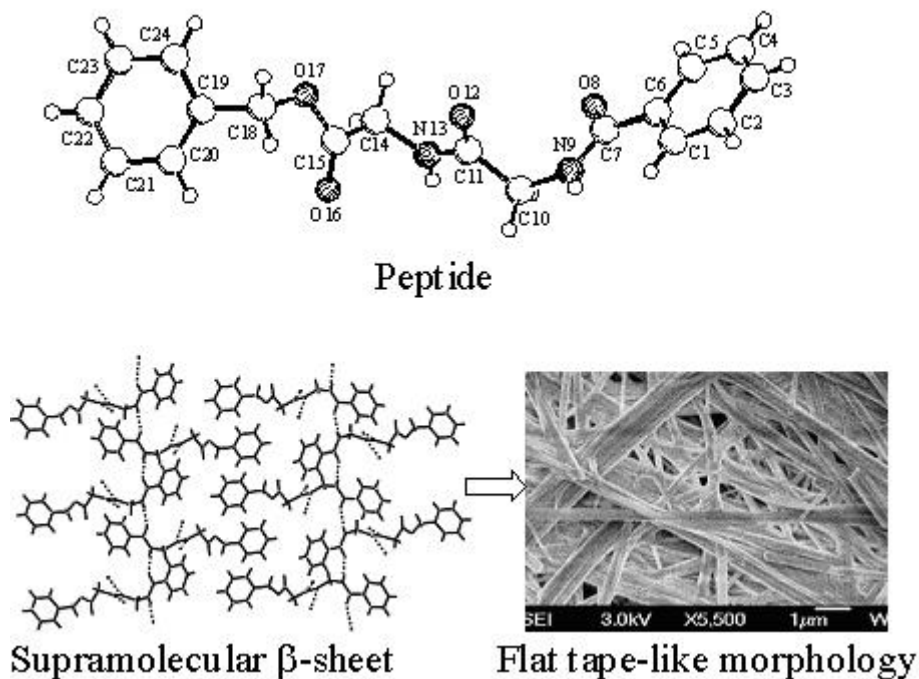
### 24. Studies of the $\beta$ -sheet mediated self-assembly of designed synthetic peptides of general formula $\text{PhCO-Gly-Xx-OCH}_2\text{Ph}$ and the possible role of aromatic $\pi$ - $\pi$ interactions in the self-assembly (09-

3815KP)

Arpita Dutta, Sudeshna Kar, Roland Fröhlich, Pradyot Koley and Animesh Pramanik

Full Text: [PDF \(2,285K\)](#)

pp. 247 - 259



received Jan 28 2009; accepted Apr 3 2009; published Apr 18 2009;

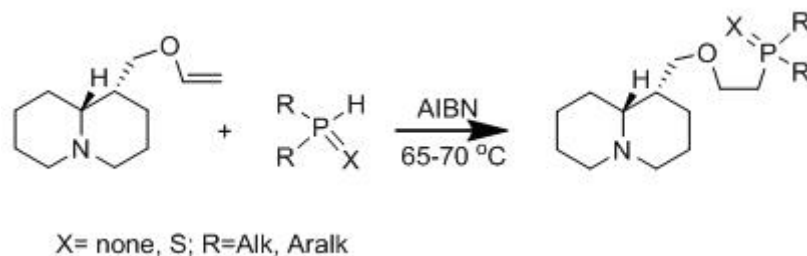
## 25. Synthesis of novel alkaloid derivatives from vinyl ether of lupinine and PH-addends (09-3813LP)

Nina K. Gusarova, Svetlana F. Malysheva, Ludmila A. Oparina, Nataliya A. Belogorlova, Anatolii P.

Tantsyrev, Lidiya N. Parshina, Boris G. Sukhov, Rustam T. Tlegenov and Boris A. Trofimov

Full Text: [PDF \(241K\)](#)

pp. 260 - 267



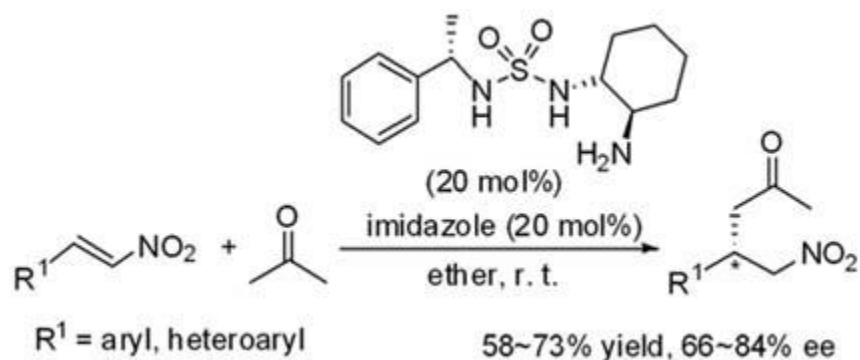
received Jan 28 2009; accepted Mar 25 2009; published Apr 21 2009;

**26. Asymmetric conjugate addition of ketones to nitroalkenes catalyzed by chiral bifunctional sulfamides (09-3841BP)**

*Sheng-ping Liu, Xue-jing Zhang, Jin-hua Lao and Ming Yan*

Full Text: [PDF \(382K\)](#)

pp. 268 - 280



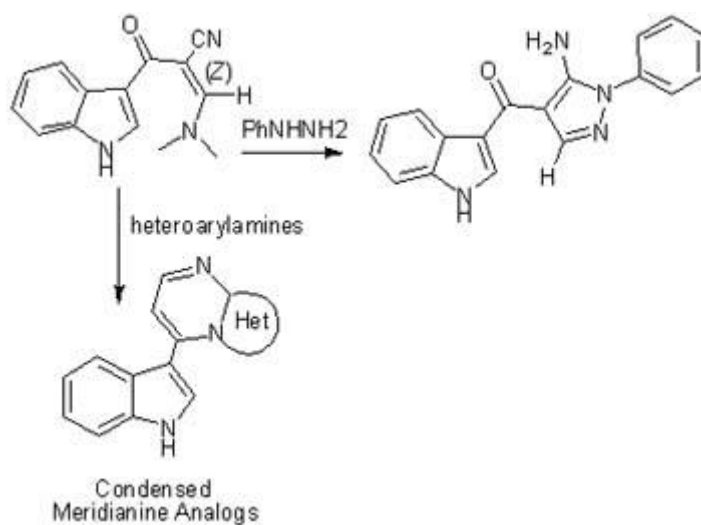
received Feb 8 2009; accepted Apr 19 2009; published May 2 2009;

**27. Application of (2Z)-3-dimethylamino-2-(1H-indole-3-carbonyl) acrylonitrile in the synthesis of novel 3-heteroarylindoles: condensed meridianine analogs (09-3793AP)**

*Mohamed A. A. Radwan, Mohamed R. Shaaban, Eman A. Ragab and Ahmed O. H. El-Nezhawy*

Full Text: [PDF \(308K\)](#)

pp. 281 - 291



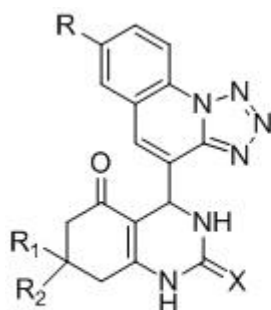
received Jan 17 2009; accepted Apr 19 2009; published May 2 2009;

**28. An efficient three component one-pot synthesis of some new octahydroquinazolinone derivatives and investigation of their antimicrobial activities (09-3835KP)**

*Niraj K. Ladani, Manish P. Patel and Ranjan G. Patel*

Full Text: [PDF \(237K\)](#)

pp. 292 - 302



**5a-p**

Where,

R = H, CH<sub>3</sub>, OCH<sub>3</sub>, Cl

R<sub>1</sub> = R<sub>2</sub> = H, CH<sub>3</sub>

X = O, S

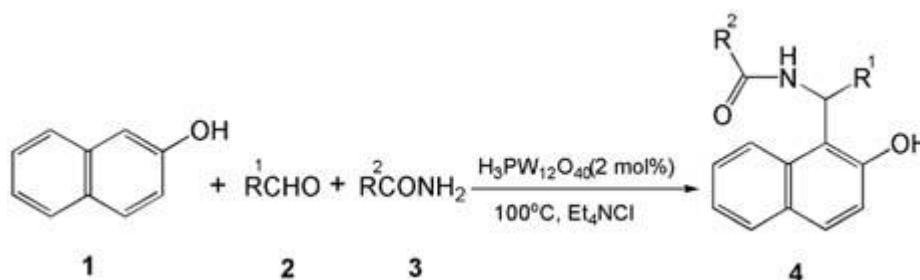
received Jan 29 2009; accepted Apr 19 2009; published May 2 2009;

**29. Heteropoly acid catalyzed synthesis of 1-amidoalkyl-2-naphthols in the presence of molten tetraethyl ammonium chloride as an ionic liquid (09-3387MP)**

*Ali Dorehgirae, Hojatollah Khabazzadeh and Kazem Saidi*

Full Text: [PDF \(184K\)](#)

pp. 303 - 310



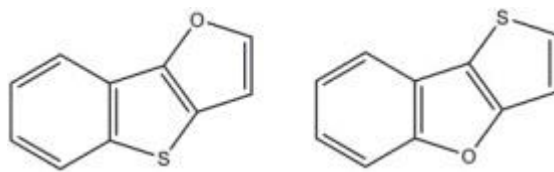
received Jul 20 2008; accepted Apr 19 2009; published May 2 2009;

**30. A theoretical approach to the nucleophilic behavior of benzofused thieno[3,2-*b*]furans using DFT and HF based reactivity descriptors (09-3434QP)**

*Ausra Vektariene, Gytis Vektaris and Jiri Svoboda*

Full Text: [PDF \(901K\)](#)

pp. 311 - 329



received Aug 13 2008; accepted Feb 18 2009; published May 10 2009;