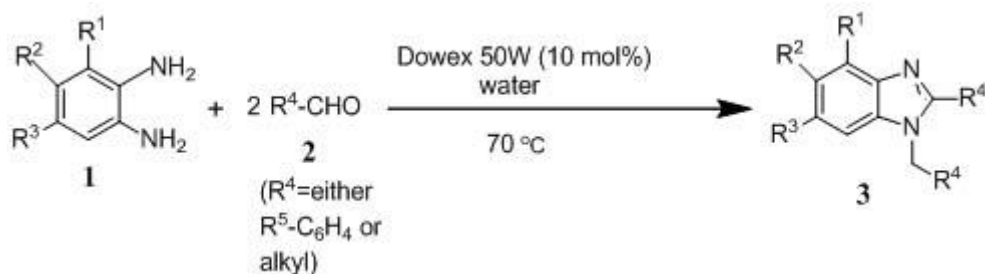


**1. Water mediated expeditious and highly selective synthesis of 2-aryl-1-arylmethyl-1H-1,3-benzimidazoles by Dowex 50W : fluorescence properties of some representative compounds (09-4316QP)**

Chhanda Mukhopadhyay, Arup Datta, Ray J Butcher, Bijan Kumar Paul, Nikhil Guchhait and Raghunath Singha

Full Text: [PDF \(667K\)](#)

pp. 1 - 22



received Aug 14 2009; accepted Nov 9 2009; published Nov 22 2009;

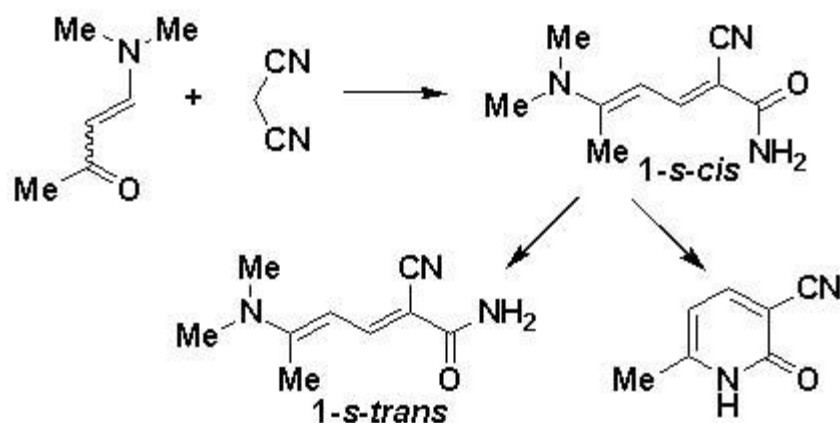
**2. Structure of the intermediate in the synthesis of 6-methyl-2-oxo-1,2-dihydropyridine-3-carbonitrile (09-4062FP)**

Nikolay Yu. Gorobets, Yuriy V. Sedash, Svetlana V. Shishkina, Oleg V. Shishkin, Sergey A. Yermolayev and Sergey M. Desenko

Full Text: [PDF \(298K\)](#)

Supplementary Material: [PDF \(2,079K\)](#)

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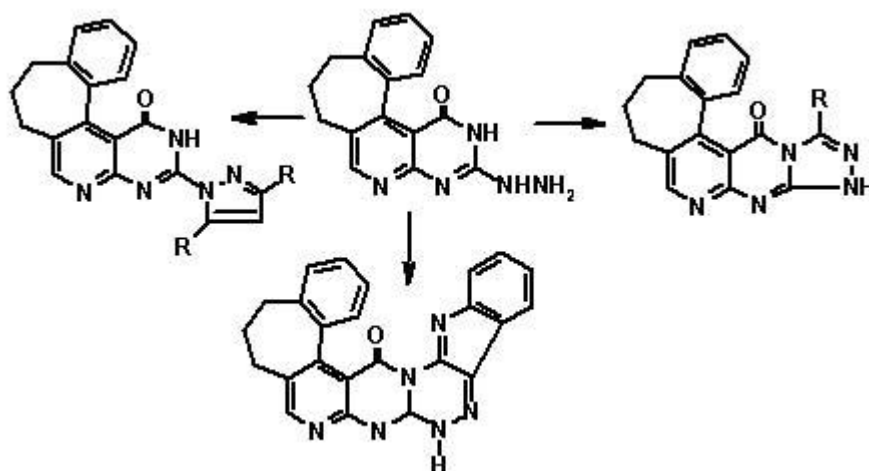
received May 12 2009; accepted Nov 2 2009; published Nov 25 2009;

**3. Synthesis and reactions of 3-hydrazino-2,3,4,7,8,9-hexahydro-1H-benzo[6',7']cyclohepta[1',2':4,5]pyrido[2,3-d]pyrimidin-1-one (09-4143AP)**

*Mohamed S. Mohamed Ahmed and Thoraya A. Farghaly*

Full Text: [PDF \(255K\)](#)

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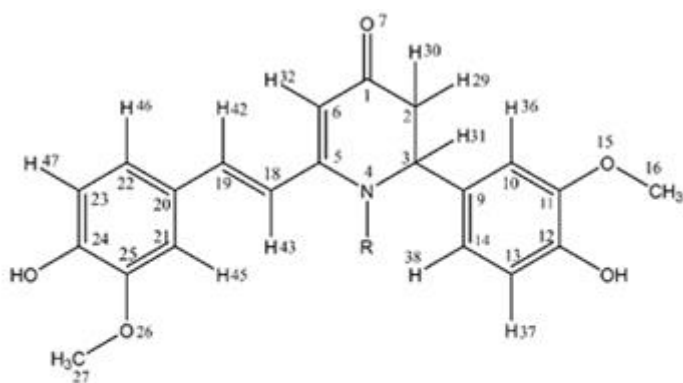
received Jun 7 2009; accepted Nov 7 2009; published Nov 25 2009;

**4. The investigation of NMR spectra of dihydropyridones derived from Curcumin (09-4130QP)**

*Bahjat A. Saeed, Kawkab Y. Saour and Rita S. Elias*

Full Text: [PDF \(394K\)](#)

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where 1, R= Me  
 2, R= Et  
 3, R= *n*-Pr  
 4, R= *n*-Bu  
 5, R= *n*-hexyl  
 6, R= benzyl  
 7, R= phenyl  
 8, R= *p*-tolyl

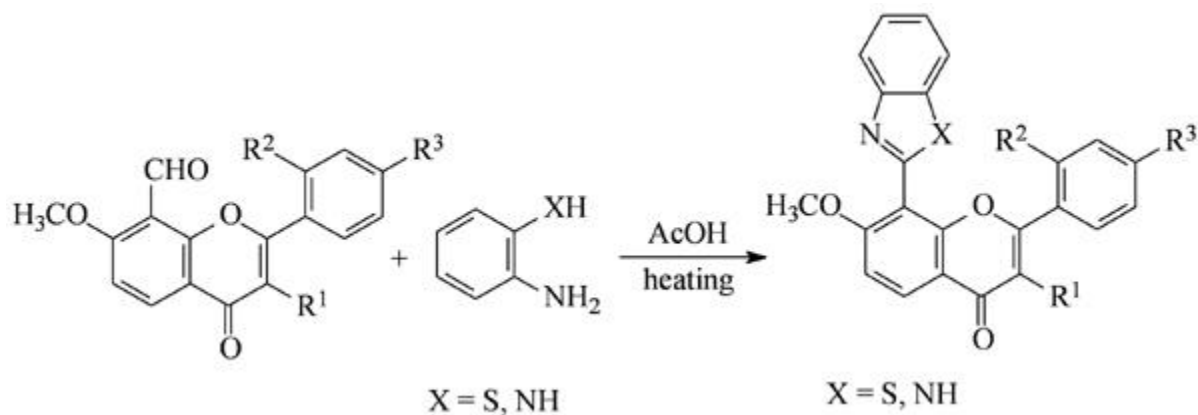
received Jun 5 2009; accepted Nov 6 2009; published Dec 1 2009;

### 5. Synthesis of new 8-([1,3]benzothiazol-2-yl)-7-methoxyflavones and 8-(1*H*-benzimidazol-2-yl)-7-methoxyflavones (09-4276CP)

*S. Satyanarayana Reddy, P. Sreenivas, Y. Jayaprakash Rao and G. L. D. Krupadanam*

Full Text: [PDF \(146K\)](#)

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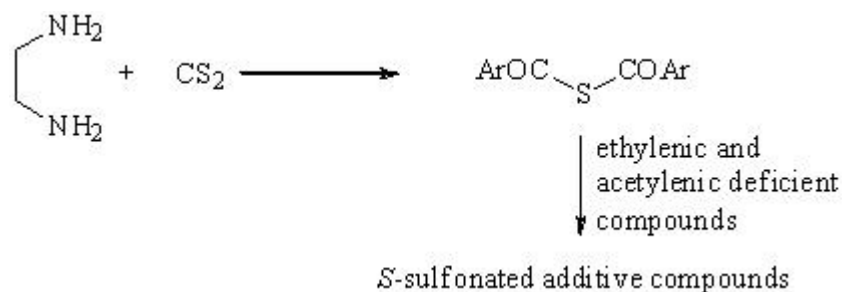
received Jul 27 2009; accepted Nov 7 2009; published Dec 1 2009;

### 6. Carbamothioates in the synthesis of diaroyl sulfides; selectivity of diaroyl sulfides and their addition to acetylenic and ethylenic deficient compounds (09-4321BP)

*Ashraf A. Aly, Alan B. Brown, Alaa A. Hasaan, Kamal M. El-Shaieb and Tarek M. I. Bedair*

Full Text: [PDF \(213K\)](#)

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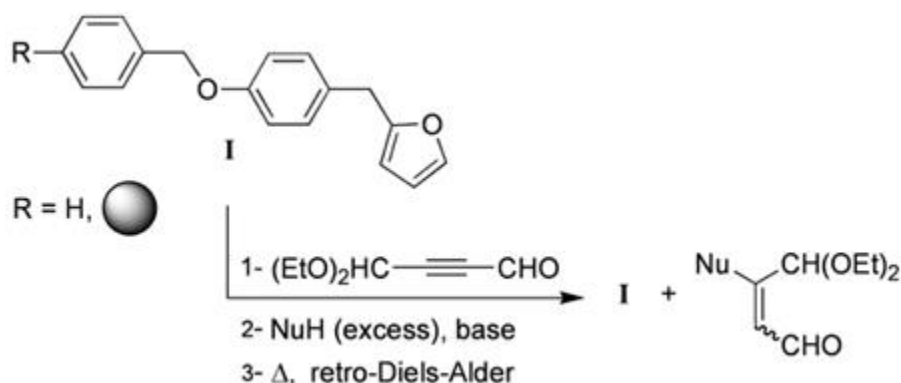
received Aug 16 2009; accepted Nov 14 2009; published Dec 4 2009;

**7. Solid-phase cleavage by a thermal retro-Diels-Alder reaction: preparation of a small  $\alpha,\beta$ -ethylenic aldehydes library (09-4455BP)**

*SÃ©bastien Albert, Luis Blanco and Sandrine Deloisy*

Full Text: [PDF \(262K\)](#)

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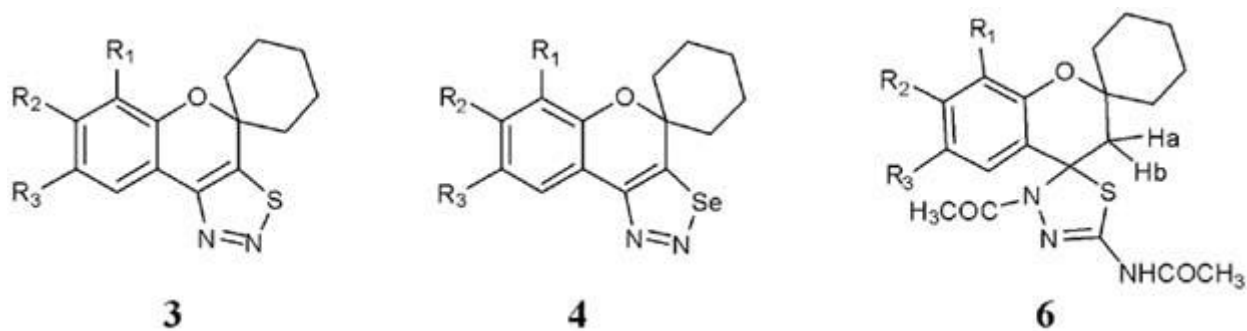
received Sep 17 2009; accepted Nov 22 2009; published Dec 4 2009;

**8. Synthesis and antimicrobial activity of spiro[chromeno[4,3-*d*][1,2,3]thiadiazole-4,1 $\hat{A}$ '-cyclohexane, spiro[chromeno[4,3-*d*][1,2,3]selenadiazole-4,1 $\hat{A}$ '-cyclohexane and spiro [chroman-2,1 $\hat{A}$ '-cyclohexan]-4-one-5-spiro-4-acetyl-2-(acetylamino)- $\Delta^2$ -1,3,4-thiadiazolines compounds (09-4384HP)**

*Mangesh J. Pawar, Arvind B. Burungale and Bhausaheb K. Karale*

Full Text: [PDF \(302K\)](#)

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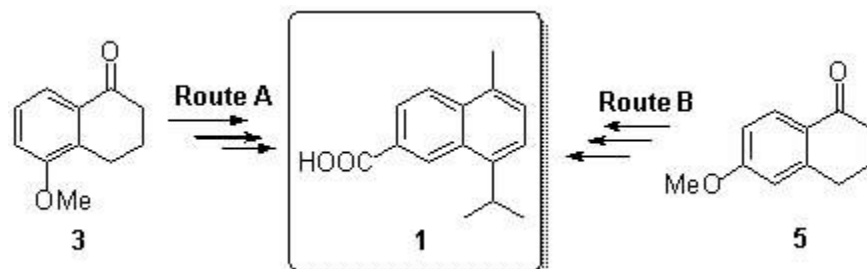
received Aug 31 2009; accepted Nov 9 2009; published Dec 6 2009;

### 9. Total synthesis of cadalen-15-oic acid (09-4373NP)

*Po Shan Poon and Ajoy K Banerjee*

Full Text: [PDF \(178K\)](#)

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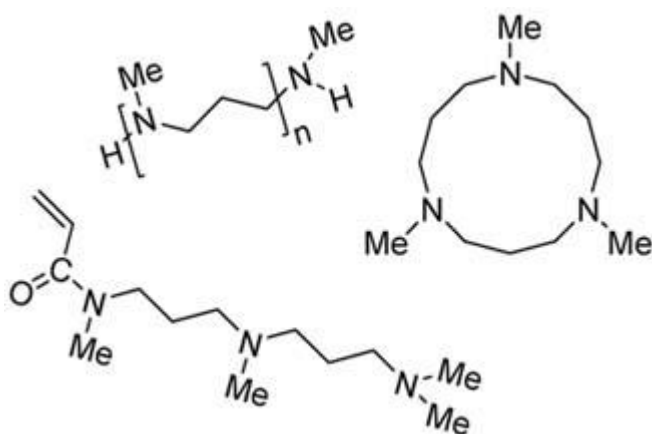
received Aug 28 2009; accepted Nov 14 2009; published Dec 6 2009;

### 10. Synthesis of biomimetic polyamines (09-4224KP)

*Vadim V. Annenkov, Stanislav N. Zelinskiy, Elena N. Danilovtseva and Carole C. Perry*

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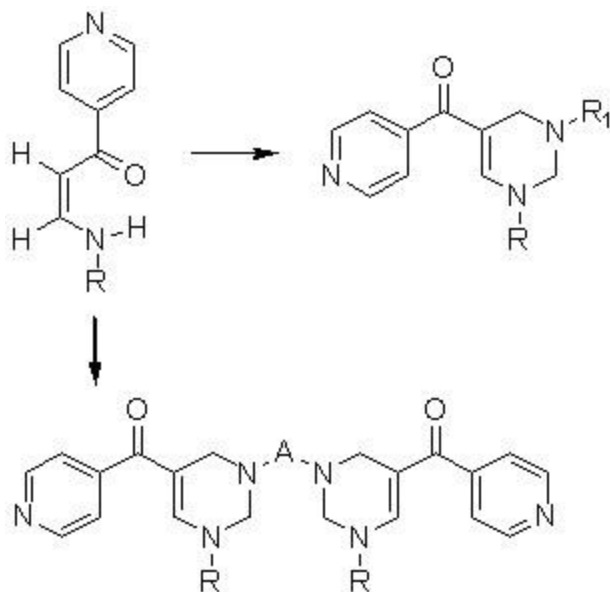
received Jul 10 2009; accepted Nov 18 2009; published Dec 6 2009;

**11. Synthesis and anti-bacterial activities of novel 5-isonicotinoyl-1,2,3,4-tetrahydropyrimidines and bis-(5-isonicotinoyl-1,2,3,4-tetrahydropyrimidines) (09-4185MP)**

*J.N. Vishwakarma, M.C. Dutta, K. Chanda, Bhaskar Das, M.A. Laskar and R.L. Nongkhlaw*

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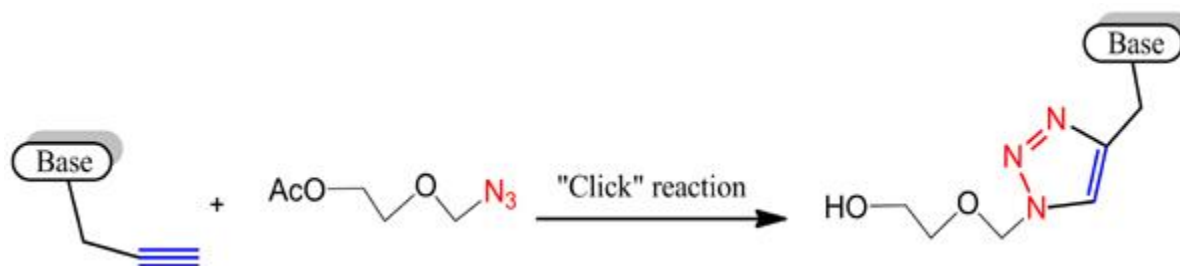
received Jun 21 2009; accepted Nov 25 2009; published Dec 13 2009;

**12. Microwave-assisted click chemistry: synthesis of mono and bis-1,2,3-triazole acyclonucleoside analogues of ACV via copper(I)-catalyzed cycloaddition (09-4115AP)**

*J. Krim, B. Sillahi, M. Taourirte, E.M. Rakib and J.W. Engels*

Full Text: [PDF \(270K\)](#)

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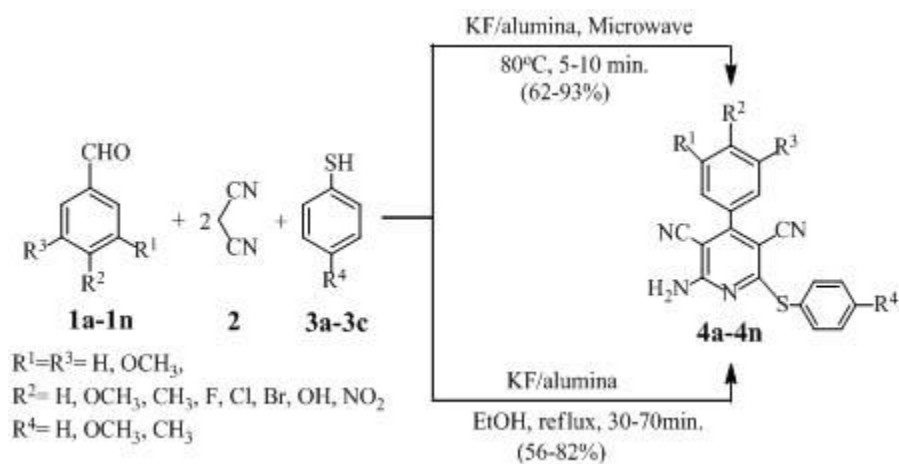
received Jun 2 2009; accepted Nov 21 2009; published Dec 14 2009;

### 13. Microwave-assisted, one-pot multicomponent synthesis of highly substituted pyridines of medicinal utility using KF/alumina (09-4341AP)

Krishna Nand Singh and Satish Kumar Singh

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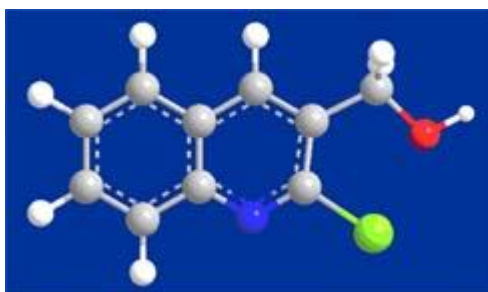
received Aug 21 2009; accepted Nov 21 2009; published Dec 20 2009;

### 14. Synthesis, antioxidant, hemolytic and cytotoxic activity of AB ring cores of mappicine (09-4038AP)

Selvaraj Mohana Roopan and Fazlur Rahman Nawaz Khan

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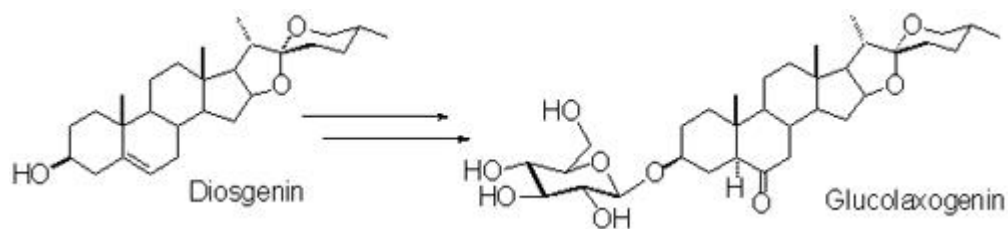
received Apr 28 2009; accepted Nov 21 2009; published Dec 20 2009;

**15. Formation of the steroidal 3 $\beta$ -hydroxy-6-oxo-moiety. Synthesis and cytotoxicity of glucolaxogenin**  
(09-4326NP)

*Maria Antonieta Fernandez-Herrera, Jesus Sandoval-Ramirez, Hugo Lopez-Muñoz and Luis Sanchez-Sanchez*

Full Text: [PDF \(1,568K\)](#)

**pp. 170 - 184**



received Aug 17 2009; accepted Nov 14 2009; published Dec 22 2009;

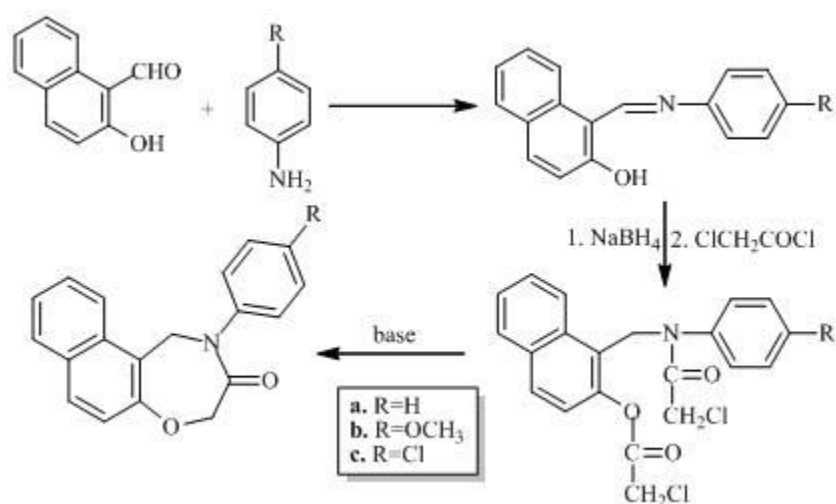
**16. Synthesis of 2-aryl-1,2-dihydronaphtho[1,2-f][1,4]oxazepin-3(4H)-ones. Part I** (09-3707AP)

*Sevim Bilgiç, Orhan Bilgiç, M. Zilem Bilgiç, Murat Gündüz and Nimet Karakoç*

Full Text: [PDF \(183K\)](#)

**pp. 185 - 192**





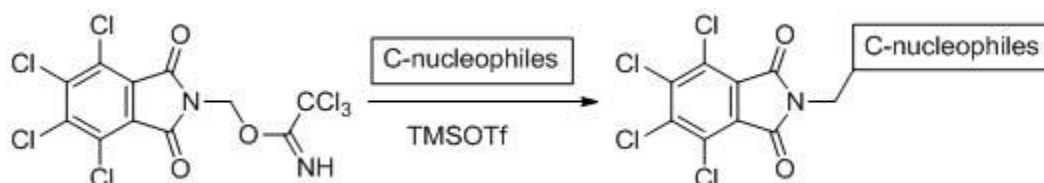
received Dec 15 2008; accepted Nov 21 2009; published Jan 15 2010;

### 17. Synthesis of *N*-substituted-3,4,5,6-tetrachlorophthalimide using trichloroacetimidate C-C bond formation method (09-4431AP)

*Ibrahim A. I. Ali and Walid Fathalla Mohamed*

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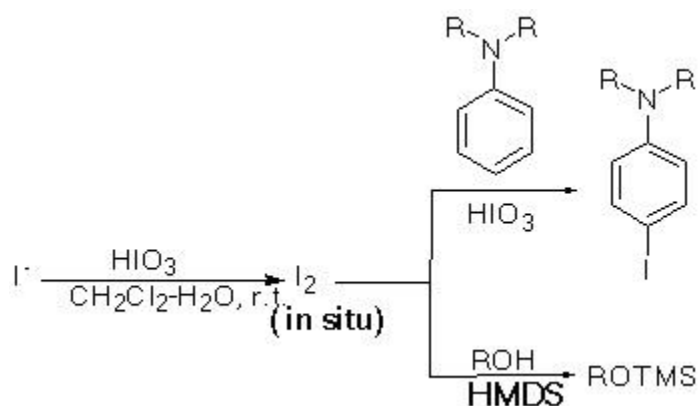
received Sep 11 2009; accepted Dec 7 2009; published Jan 15 2010;

### 18. HIO<sub>3</sub>/KI: A new combination reagent for iodination of aromatic amines and trimethylsilylation of alcohols and phenols through in situ generation of iodine under mild conditions (09-4358LP)

*Mohammad Ali Zolfigol, Ardeshtir Khazaei, Eskandar Kolvari, Nadiya Koukabi, Hamid Soltani, Maryam Behjunia and Vahid Khakyzadeh*

Full Text: [PDF \(194K\)](#)

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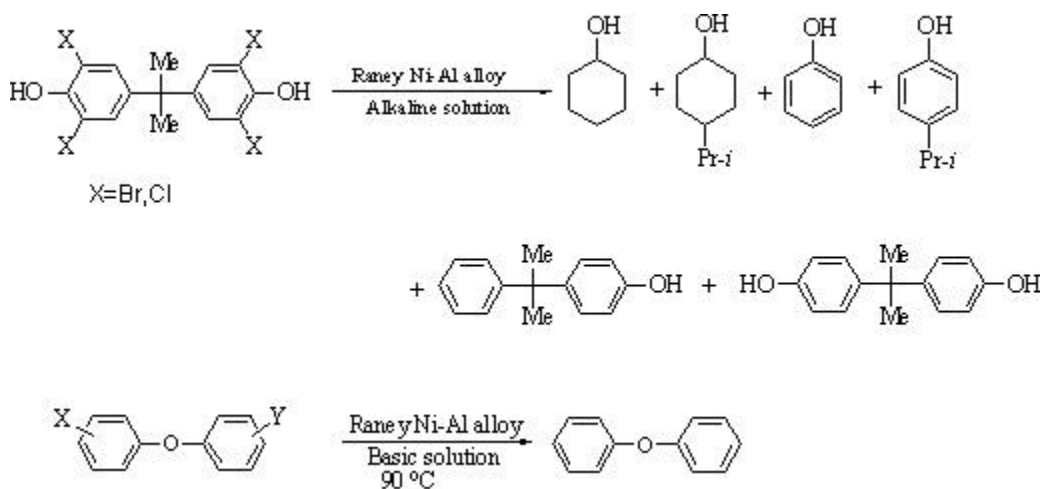
received Aug 26 2009; accepted Dec 7 2009; published Jan 18 2010;

**19. A convenient method for the reductive degradation of mono-, di-, and tribromodiphenyl ethers, tetrabromo- and tetrachlorobisphenol A with Raney Ni-Al alloy (09-4580UP)**

Guo-Bin Liu, Hong-Yun Zhao, Lu Dai and Thies Thiemann

Full Text: [PDF \(257K\)](#)

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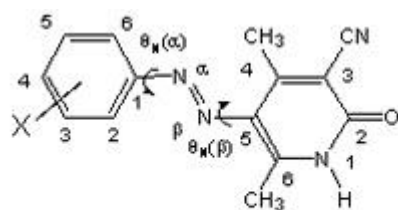
received Oct 13 2009; accepted Dec 6 2009; published Jan 18 2010;

**20. Linear free energy relationships of the  $^{13}\text{C}$  NMR chemical shifts in 5-(3- and 4-substituted arylazo)-4,6-dimethyl-3-cyano-2-pyridones (09-4237QP)**

Nataša V. Valentić, Željko J. Vitnik, Dušan Ž. Mijin, Gordana S. Ušćumlić, Nina Todorović and Ivan O. Juranić

Full Text: [PDF \(364K\)](#)

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X = 4-OCH<sub>3</sub>, 3-OCH<sub>3</sub>, 4-CH<sub>3</sub>, 3-CH<sub>3</sub>, 4-C<sub>2</sub>H<sub>5</sub>, 3-C<sub>2</sub>H<sub>5</sub>, H, 4-Cl, 3-Cl, 4-Br, 3-Br, 4-I, 4-COCH<sub>3</sub>, 4-CN, 3-CN, 4-NO<sub>2</sub> and 3-NO<sub>2</sub>

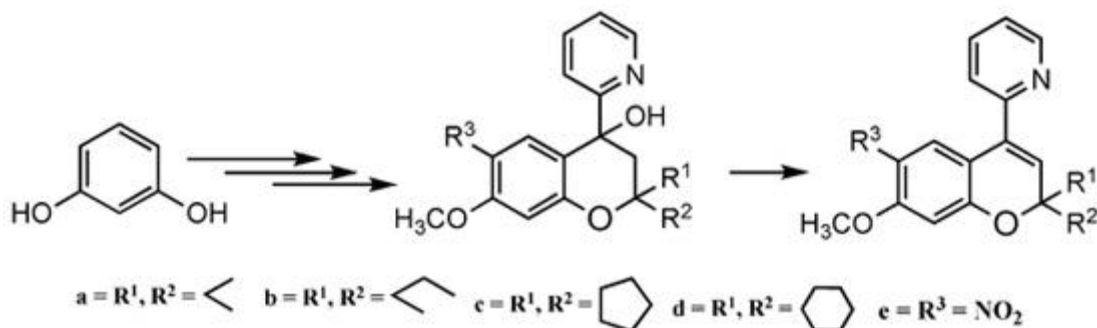
received Jul 13 2009; accepted Dec 3 2009; published Jan 18 2010;

## 21. Facile synthesis of various 2-substituted-4-(2-pyridyl) benzopyran analogues as target potassium channel opener (09-4309UP)

Anil Kumar Tripathi, Debaraj Mukherjee, Surrinder Koul and Subhash C. Taneja

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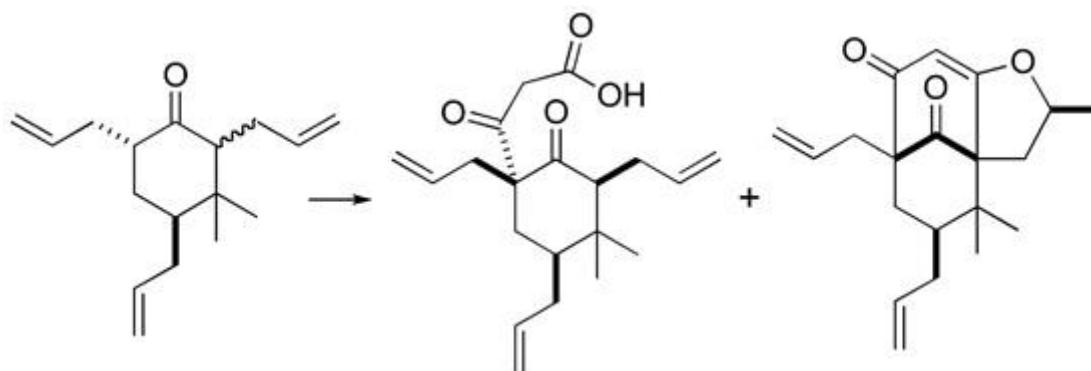
received Aug 11 2009; accepted Dec 3 2009; published Jan 18 2010;

## 22. A rapid access to the core skeleton of atypic tricyclic polyprenylated acylphloroglucinols (09-4415NP)

Bernard Delpech, Blanca Tolon and Christian Marazano

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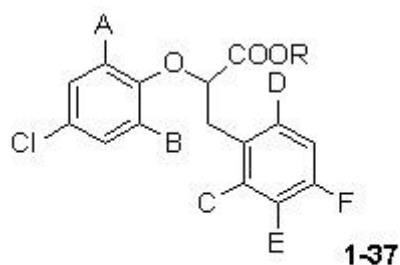
received Sep 8 2009; accepted Dec 15 2009; published Jan 18 2010;

### 23. Comparative analysis of enantioselective separation of novel PPAR agonists by HPLC on cellulose- and amylose-based chiral stationary phases (09-4164AP)

*Luca Piemontese, Salvatore Faliti, Giuseppe Carbonara, Giuseppe Fracchiolla, Paolo Tortorella and Fulvio Loiodice*

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**A,B,C,D,E,F=** alkyl,aryl,halogen  
**R=** H, CH<sub>3</sub>

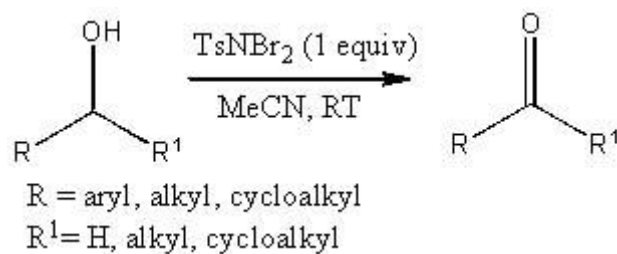
received Jun 17 2009; accepted Jan 4 2010; published Jan 22 2010;

### 24. A new metal-free protocol for oxidation of alcohols using TsNBr<sub>2</sub> without catalyst (09-4492UP)

*Prodeep Phukan, Pranita Chakraborty and Indranirekha Saikia*

Full Text: [PDF \(95K\)](#)

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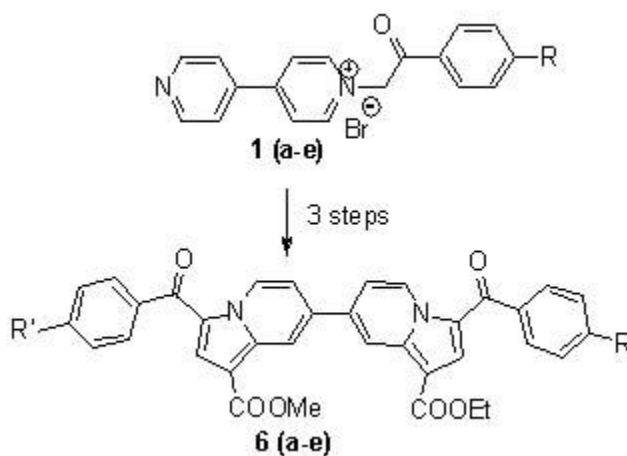
received Sep 24 2009; accepted Dec 5 2009; published Jan 24 2010;

## 25. Synthesis and properties of fluorescent 1,3-substituted mono and biindolizines (09-4716UP)

Ramona Danac, Alexandru Rotaru, Ioan Druta and Ecaterina Avram

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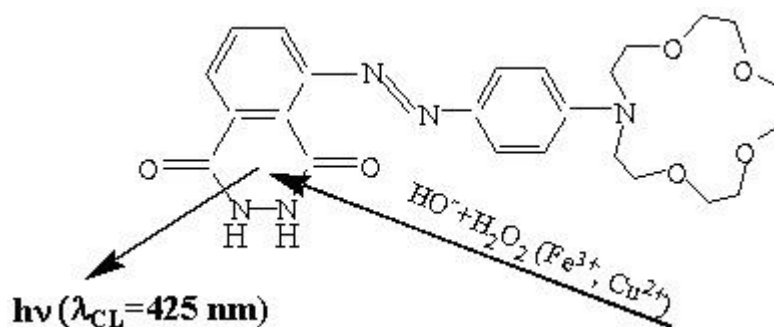
received Nov 11 2009; accepted Dec 20 2009; published Feb 11 2010;

## 26. Chemiluminescence of 5-(azo-*para*-phenylene-*N*-aza-15-crown-5)-phthalhydrazide (09-4544DP)

Rodica D. Baratoiu, Lucia Mutihac, Marilena Vasilescu, Mariana Voicescu, Alina Latus, Gabriela Ionita, Adrian Beteringhe, Titus Constantinescu and Alexandru T. Balaban

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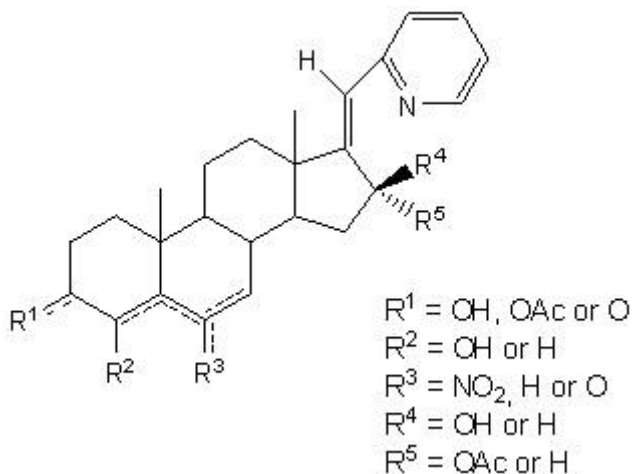
received Oct 5 2009; accepted Dec 7 2009; published Jan 26 2010;

**27. 17-Picolinylidene-androst-5-ene derivatives and their antiaromatase and cytotoxic activity (09-4519NP)**

*Jovana J. Ajduković, Evgenija A. Djurendić, Marija N. Sakač, JanoÂš J. Čanadi, Vesna V. Kojić, Gordana M. Bogdanović and Katarina M. Penov GaÂši*

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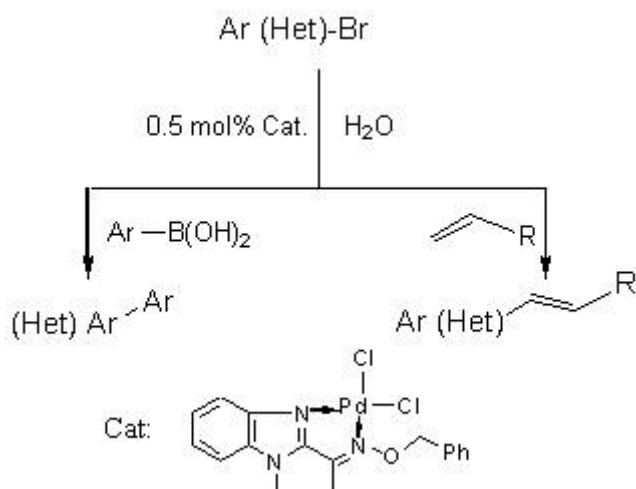
received Sep 30 2009; accepted Jan 20 2010; published Feb 1 2010;

**28. Heck and Suzuki cross-couplings of aryl and heteroaryl bromides in water using a new palladium(II)-complex (09-4741VP)**

*Kamal M. Dawood, Mohamed S. Fayed and Mohamed M. Elkhalea*

Full Text: [PDF \(346K\)](#)

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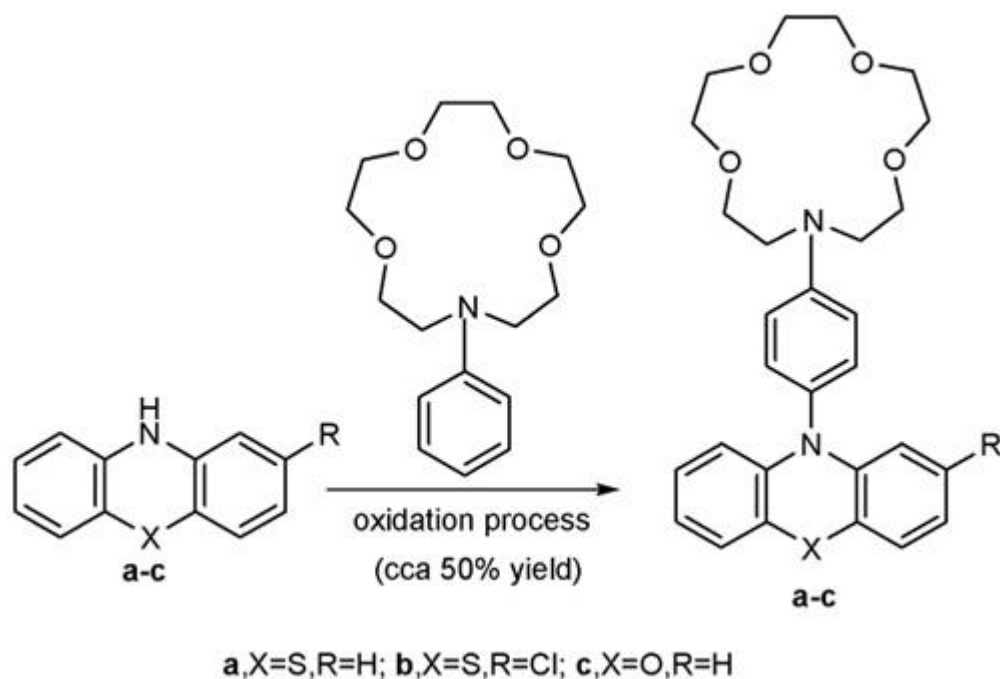
received Nov 15 2009; accepted Dec 25 2009; published Feb 1 2010;

**29. Wurster aza-crown ethers with *N*-para-phenylene-phenothiazine or -phenoxazine groups (09-4587QP)**

*Alexandru T. Balaban, Ana Cristina Radutiu, Ion Baci, Miron T. Caproiu, Constantin Draghici, Adrian Beteringhe, Gabriela Ionita, Petre Ionita, Tanta Spataru, Nicolae Spataru, Rodica D. Baratoiu and Titus Constantinescu*

Full Text: [PDF \(444K\)](#)

pp. 342 - 362



received Oct 14 2009; accepted Jan 4 2010; published Feb 1 2010;

**30. Synthesis and *in vitro* antimicrobial evaluation of 4H-pyrazolopyran, -benzopyran and naphthopyran derivatives of 1H-pyrazole (09-4704EP)**

*Nilesh J. Thumar and Manish P. Patel*

Full Text: [PDF \(335K\)](#)

pp. 363 - 380



received Nov 10 2009; accepted Jan 17 2010; published Feb 10 2010;