

March 2014

Volume 51, Number 2

View this journal online at [wileyonlinelibrary.com](http://wileyonlinelibrary.com)

774,  
580/h

# JOURNAL OF HETEROCYCLIC CHEMISTRY

[wileyonlinelibrary.com/jhetchem](http://wileyonlinelibrary.com/jhetchem)

WILEY



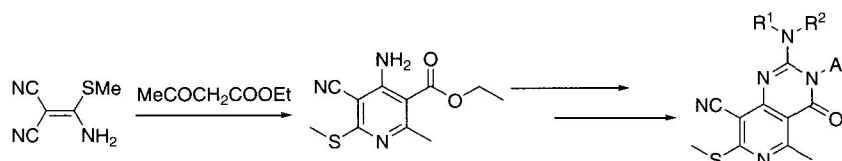
# JOURNAL OF HETEROCYCLIC CHEMISTRY

MARCH 2014

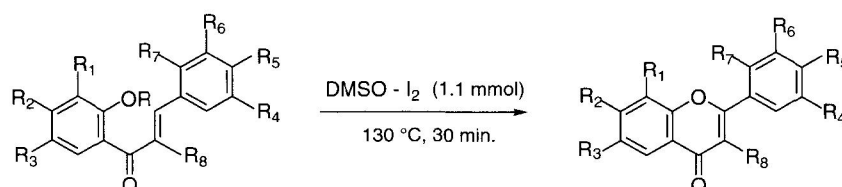
VOLUME 51, ISSUE 2

## ARTICLES

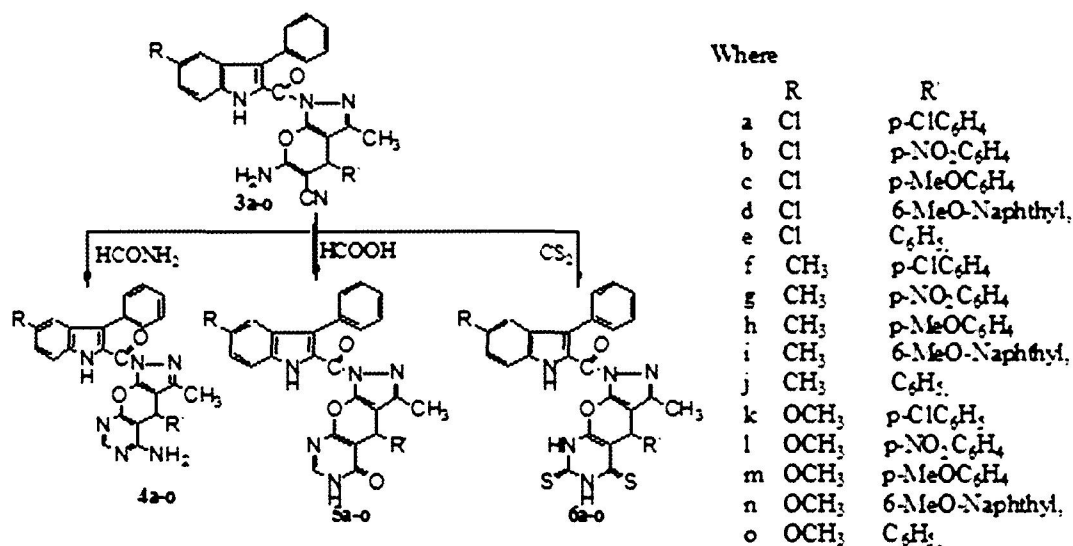
- 285 A Convenient Synthesis and Biological Activity of Novel Pyrido[4,3-d]pyrimidin-4(3H)-ones  
Qingyun Ren, YanXia Shi, Yucheng Gu, Baoju Li, and Hongwu He  
*Published online 4 November 2013*



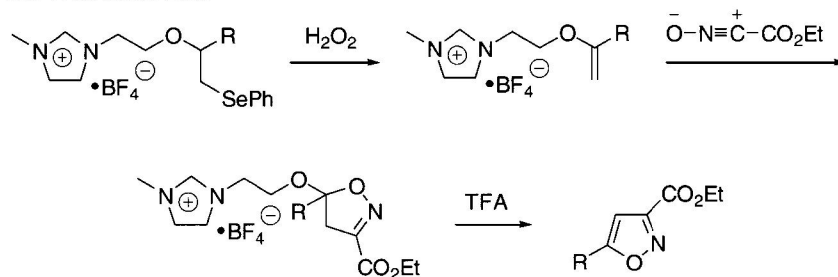
- 291 A New Method for the Facile Synthesis of Hydroxylated Flavones by Using Allyl Protection  
B. R. Nawghare, S. S. Sakate, and P. D. Lokhande  
*Published online 4 November 2013*



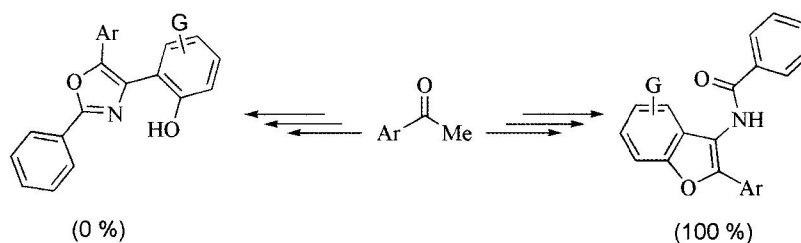
- 303 Synthesis and Biological Activities of Some New Annulated Pyrazolopyranopyrimidines and Their Derivatives Containing Indole Nucleus  
Anand R. Saundane, Prabhaker Walmik, Manjunatha Yarlakatti, Vijaykumar Katkar, and Vajinath A. Verma  
*Published online 4 November 2013*



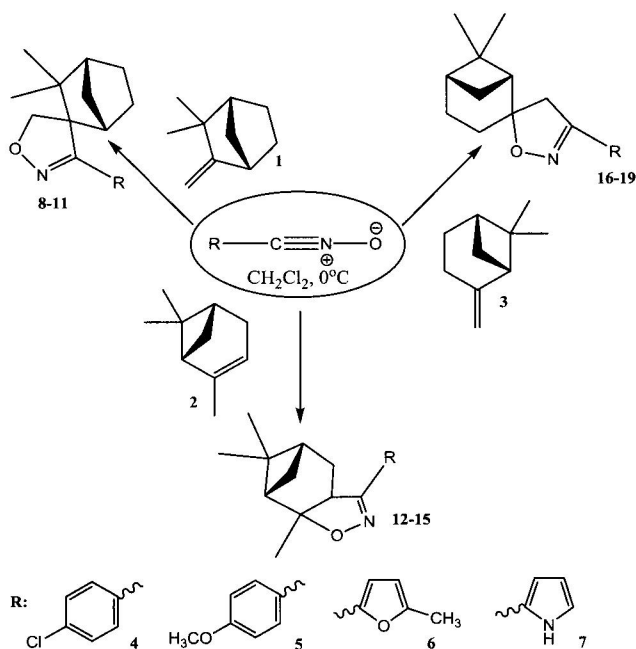
- 315 **Synthesis of Ethyl Isoxazole-3-Carboxylates Using an Ionic Liquid as a Soluble Support**  
 Shouri Sheng, Wusheng Sheng, Qiaosheng Hu, Hongen Qu, and Mingzhong Cai  
*Published online 4 November 2013*



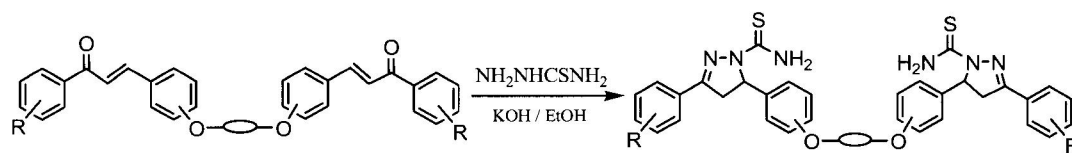
- 322 **Three-Step Synthesis of Novel 2-Aryl-3-benzamidobenzofurans: Regiospecific Reactions Catalyzed by Molybdate Sulfuric Acid**  
 Fatemeh Hashemi, Bahador Karami, and Saeed Khodabakhshi  
*Published online 4 November 2013*



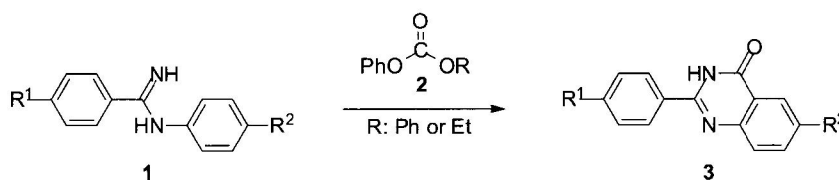
- 327 **Synthesis of Spirocyclic and Tricyclic Isoxazoline via 1,3-Dipolar Cycloaddition Reactions**  
 Melek Gul and Ahmet Tutar  
*Published online 5 November 2013*



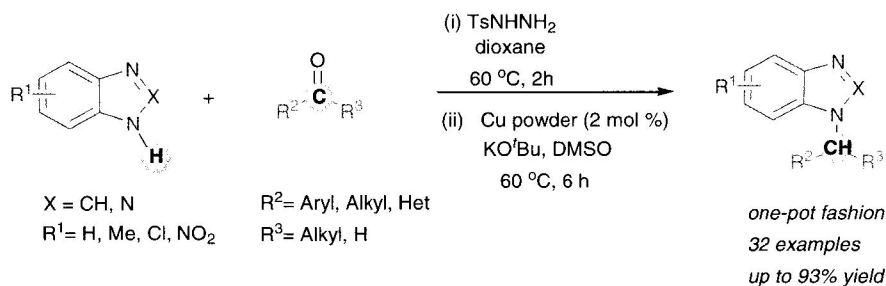
- 336 Evaluating the Synthesis of Bis-pyrazolines  
 Nosrat O. Mahmoodi, Bahman Sharifzadeh, Manouchehr Mamaghani, and Khalil Tabatabaieian  
 Published online 6 November 2013



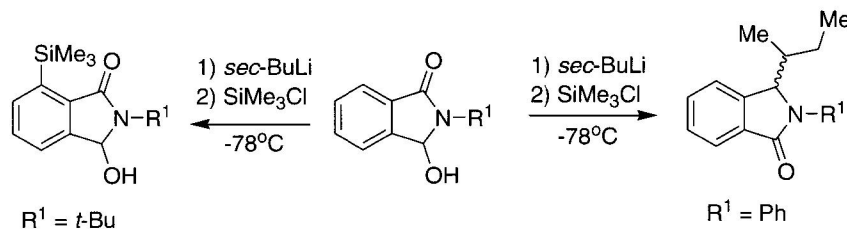
- 343 Synthesis of 2-Arylquinazolin-4(3H)-ones by *N*-Aryl Benzamides with Aromatic Carbonates  
 Shunichi Aikawa, Chiharu Sekiguchi, Yuko Yamazaki, Mika Hattori, Tatsuya Isaka, Yasuhiko Yoshida, and Shogo Ihara  
 Published online 11 November 2013



- 349 Facile One-Pot Synthesis of *N*-Alkylated Benzimidazole and Benzotriazole from Carbonyl Compounds  
 Xu Meng, Xiaolong Li, Wenlin Chen, Yuanqing Zhang, Wen Wang, Jinying Chen, Jinli Song, Huijie Feng, and Baohua Chen  
 Published online 12 November 2013



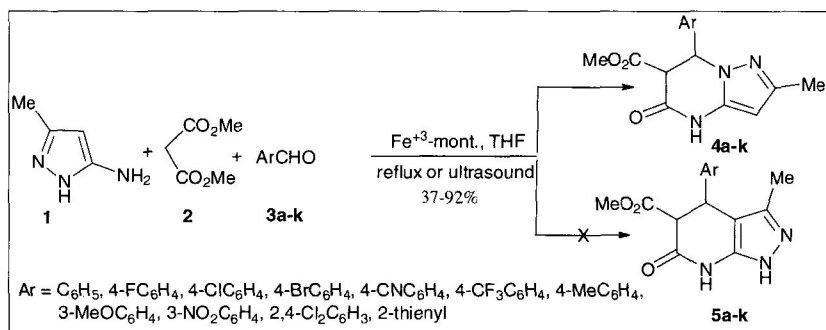
- 357 The Behavior of 2-Substituted-3-hydroxyisoindolinones in the Reaction with *sec*-Butyllithium  
 A. Jóźwiak and M. Ciechański  
 Published online 12 November 2013



363

### A Convenient One-Pot Three-Component Approach for Regioselective Synthesis of Novel Substituted Pyrazolo[1,5-a]pyrimidines Using Fe<sup>3+</sup>-Montmorillonite as Efficient Catalyst

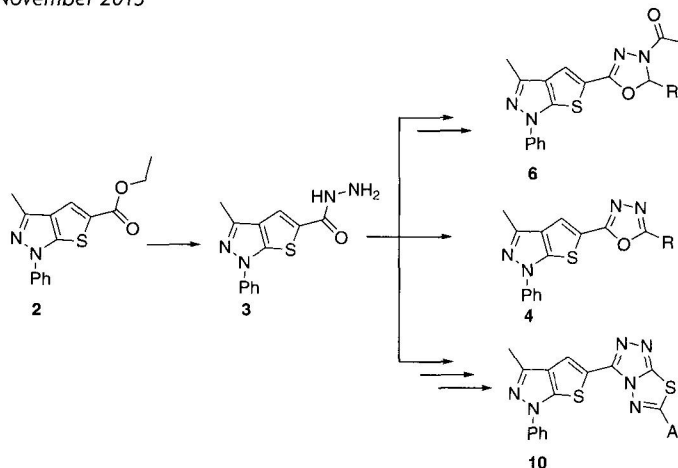
Roghayeh Hossein nia, Manouchehr Mamaghani, Farhad Shirini, and Khalil Tabatabaieian  
Published online 13 November 2013



368

### Syntheses of New Unsymmetrical 2,5-Disubstituted-1,3,4-oxadiazoles and 1,2,4-Triazolo[3,4-b]-1,3,4-thiadiazoles Bearing Thieno[2,3-c]pyrazolo Moiety

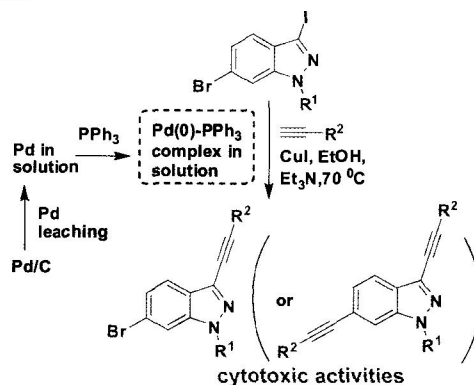
Shivaraj P. Patil, Shrikant B. Kanawade, Dinesh C. Bhavsar, Prashant S. Nikam, Sachin A. Gangurde, and Raghunath B. Toche  
Published online 13 November 2013



374

### Pd/C-Mediated Alkynylation of Indazoles: Synthesis and Pharmacological Evaluation of Mono and Dialkynyl-Substituted Indazoles

D. R. Gorja, K. Shiva Kumar, B. Dulla, K. Mukkanti, and M. Pal  
Published online 13 November 2013



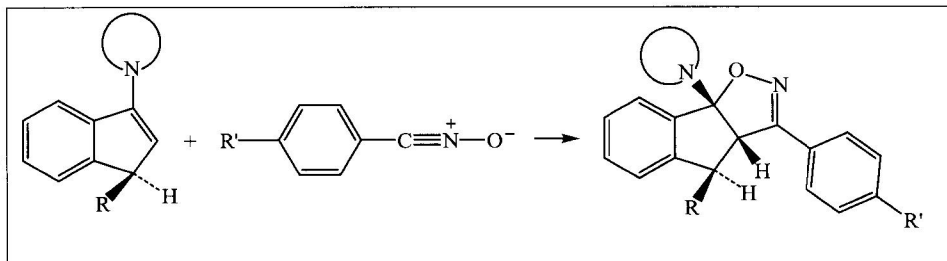
(Continued)

383

### 1,3-Dipolar Cycloaddition Reactions of Indan-1-one Enamines across Arylnitrile Oxides Leading to Novel Cyclic Isoxazoline Derivatives

Hanene Jelizi, Nadia Wannassi, Mohamed El Baker Rammah, Kabula Ciamala, Michael Knorr, Yoann Rousselin, Marek M. Kubicki, Carsten Strohmam, and Mironel Enescu

Published online 18 November 2013

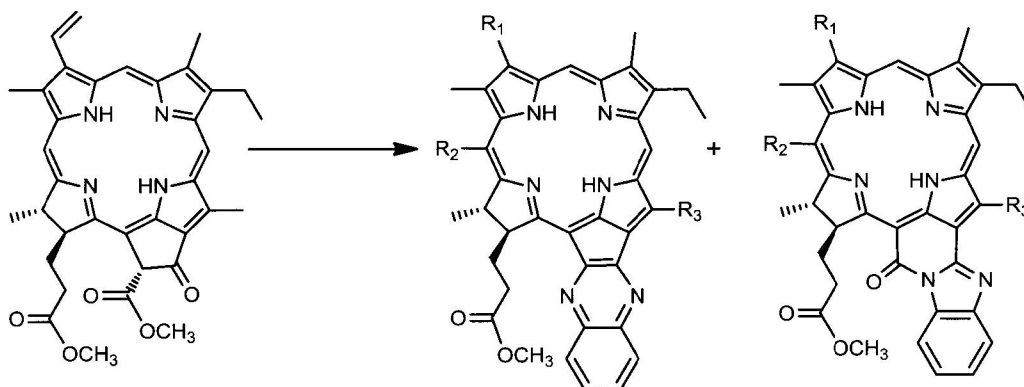


392

### Synthesis of Chlorins Fused with Nitrogen-Containing Heterocycle by the Modification along Their $N^{21}$ - $N^{23}$ axis

Jin-Jun Wang, Chao Liu, Jin Wu, Ran-Ran Liu, and Peng Zhang

Published online 18 November 2013

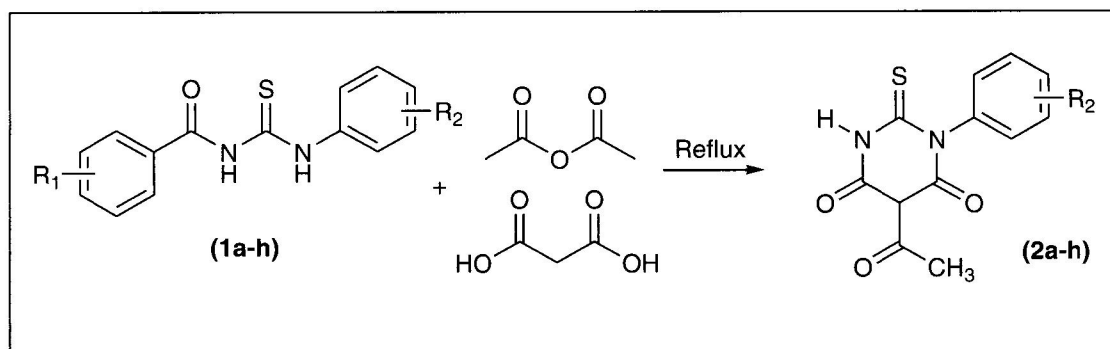


398

### Novel 5-Acetyl-3-aryl-2-thioxo-dihydropyrimidine-4,6(1H,5H)-diones: One Pot Three-Component Synthesis, Characterization and Antibacterial Activity

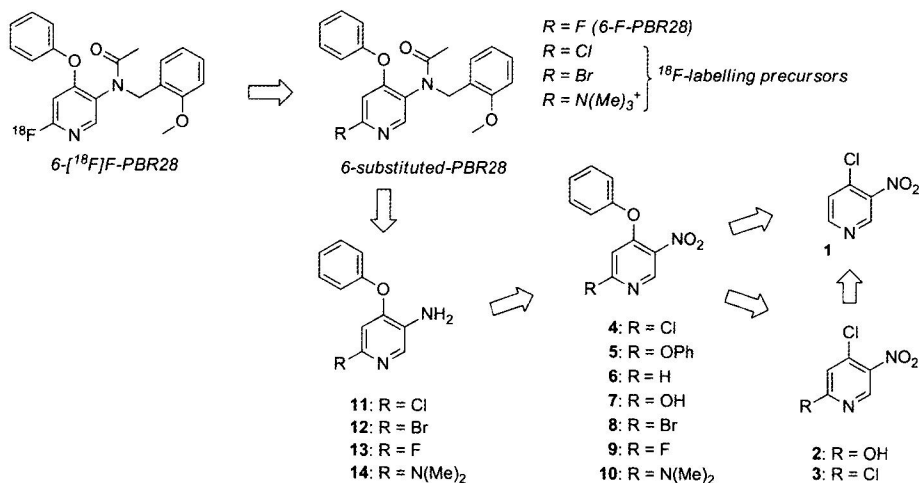
Aamer Saeed, Naeem Abbas, Zaman Ashraf and Michael Bolte

Published online 18 November 2013

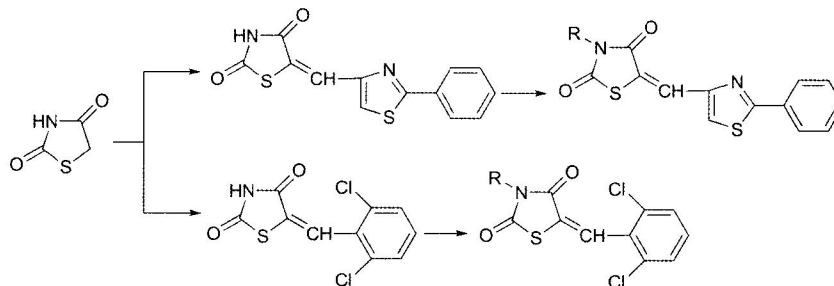


(Continued)

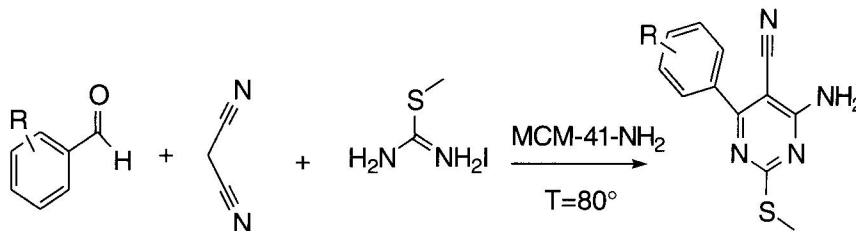
- 404 Novel 2,4,5-Trisubstituted Pyridines as Key Intermediates for the Preparation of the TSPO Ligand 6-F-PBR28: Synthesis and Full  $^1\text{H}$  and  $^{13}\text{C}$  NMR Characterization  
 Annelaure Damont, Frédéric Lemée, Guillaume Raggiri, and Frédéric Dollé  
 Published 18 November 2013



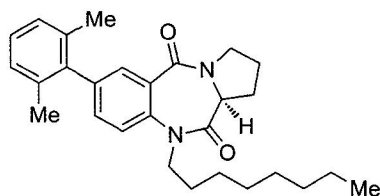
- 411 Synthesis and Antimicrobial Activity of Some New N-substituted-5-arylidene-thiazolidine-2,4-diones  
 Anca Stana, Brîndușa Tiperciuc, Mihaela Duma, Laurian Vlase, Ovidiu Crișan, Adrian Pîrnău, and Ovidiu Oniga  
 Published online 18 November 2013



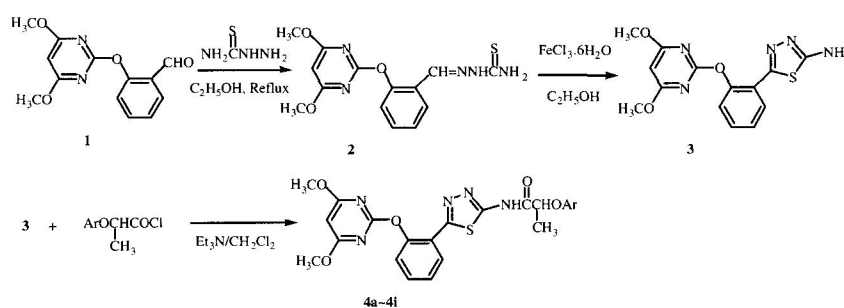
- 418 An Environmentally Benign Multicomponent Synthesis of Some Novel 2-Methylthio Pyrimidine Derivatives Using MCM-41-NH<sub>2</sub> as Nanoreactor and Nanocatalyst  
 Shahnaz Rostamizadeh and Masoomeh Nojavan  
 Published online 18 November 2013



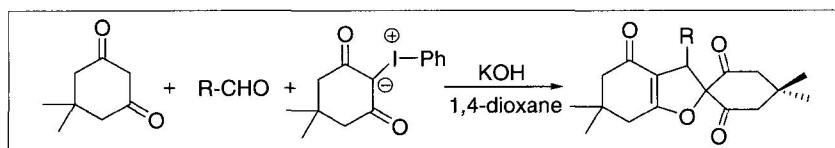
- 423 Syntheses of N10-substituted 7-Arylpyrrolo[2,1-c]-[1,4]benzodiazepine-5,11-diones  
Anika Sabine Lindner, Egor Geist, MIMOZA Gjikaj, and Andreas Schmidt  
Published online 18 November 2013



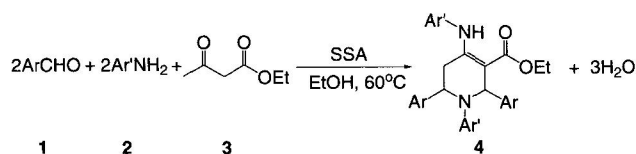
- 432 Synthesis and Herbicidal Activity of 2-Aroxy-propanamides Containing Pyrimidine and 1,3,4-Thiadiazole Rings  
Man-Yun Liu and De-Qing Shi  
Published online 18 November 2013



- 436 A New Iodonium Ylide-Based Three-Component Reaction Leading to 2-Spirosubstituted Dihydrofurans under Microwave Irradiation  
Xing-Chao Tu, Yan Yu, Man-Su Tu, Bo Jiang, Chao Li, and Shu-Jiang Tu  
Published online 19 November 2013

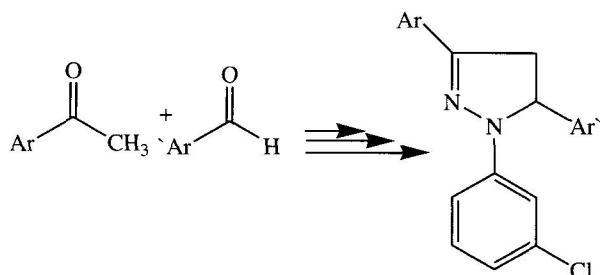


- 442 Silica Sulfuric Acid-Catalyzed Five-component Efficient Synthesis of Five-Substituted Tetrahydropyridines  
Xiao-xiao Zhang, Yu Wan, Li-ling Pang, Hai-ying Wang, Ling-ling Zhao, Chao Wang, Shu Ying Hang, Gui Xiang Liu, Liang-Feng Chen, and Hui Wu  
Published online 19 November 2013

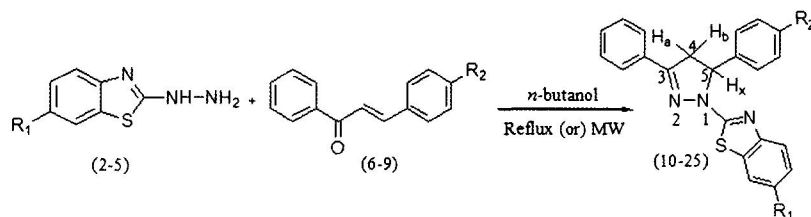




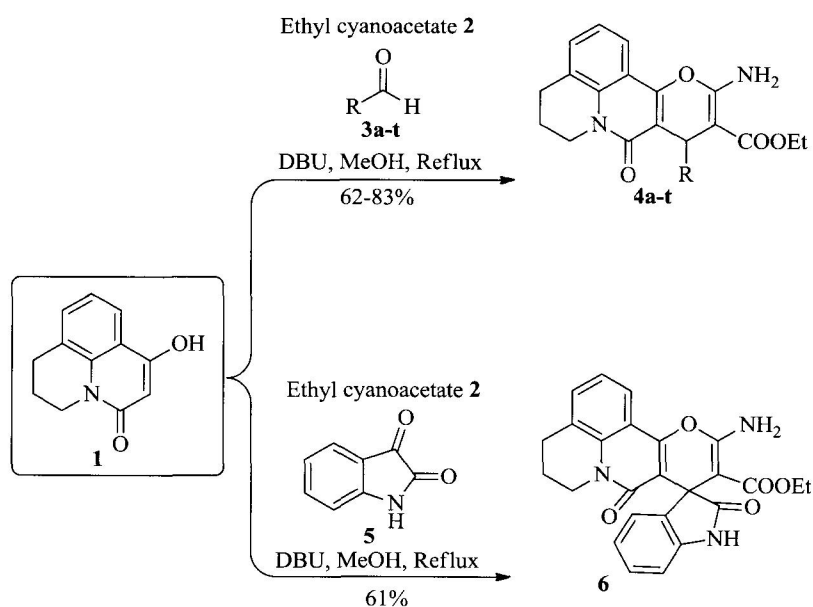
- 450 Design, Docking, and Synthesis of Some New Pyrazoline and Pyranopyrazole Derivatives as Anti-inflammatory Agents  
 Magda M. F. Ismail, Nagy M. Khalifa, Hoda H. Fahmy, Eman S. Nossier, and Mohamed M. Abdulla  
 Published online 19 November 2013

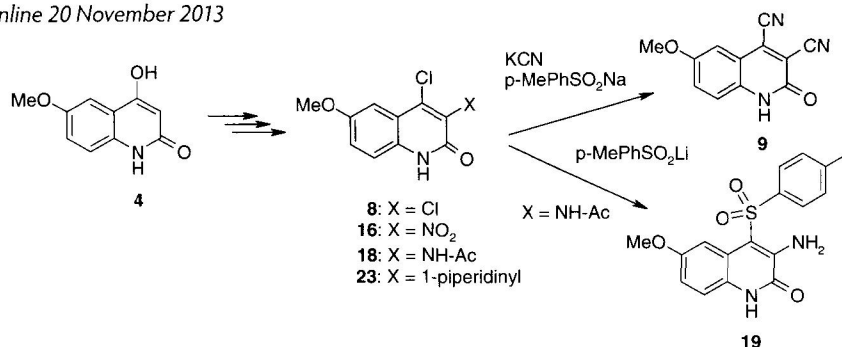
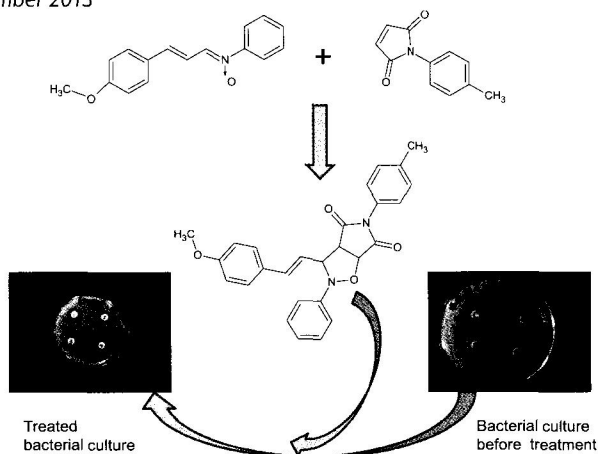
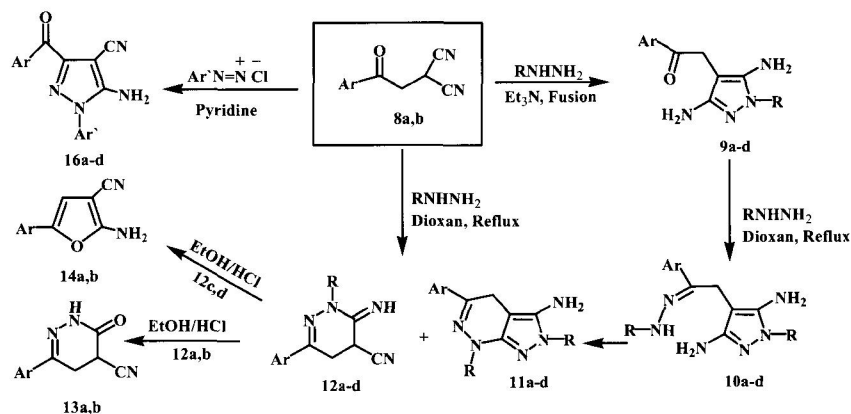


- 459 A Facile and Efficient Synthesis of 2-(5-(4-Substitutedphenyl)-4,5-dihydro-3-phenylpyrazol-1-yl)-6-Substitutedbenzothiazoles and Their Biological Studies  
 Munirajasekhar, M. Himaja, and Sunil V. Mali  
 Published online 20 November 2013



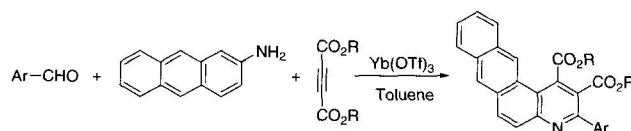
- 466 DBU-catalyzed Multicomponent Synthesis: Facile Access of 4,5,6,9-Tetrahydro-pyrido[3,2-c]quinolines  
 Ravi Chaniyara, Shailesh Thakrar, Rajesh Kakadiya, Bhavin Marvania, Dilip Detroja, Nikhil Vekariya, Kuldip Upadhyay, Atul Manvar, and Anamik Shah  
 Published online 20 November 2013



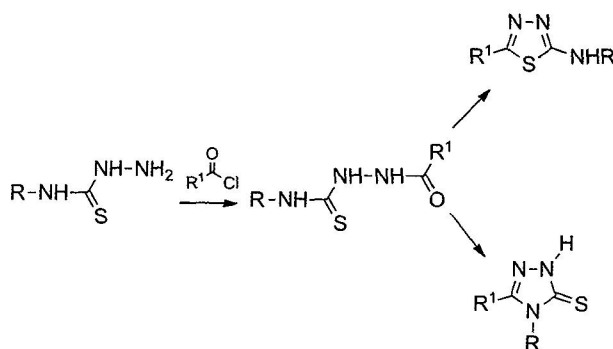


NOTES

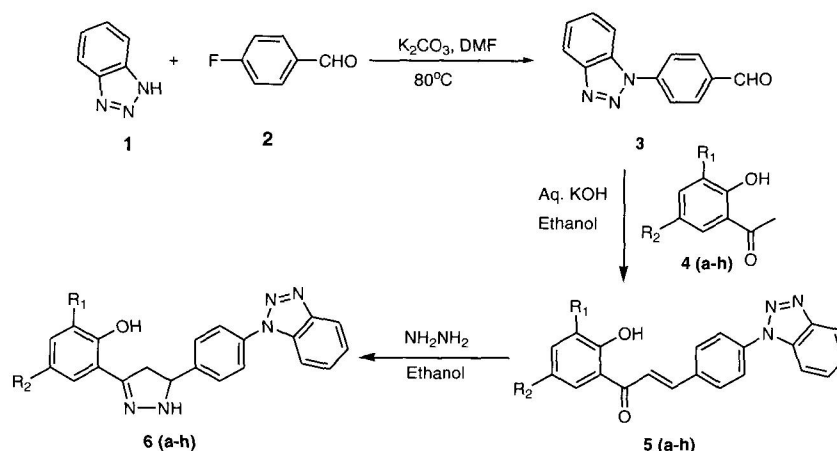
- 502 An Efficient Method for the Synthesis of 3-Arylnaphtho[2,3-*f*]quinoline-1,2-dicarboxylate Derivatives Catalyzed by  $\text{Yb}(\text{OTf})_3$   
 Jie-Xing Zhou, Wei Wang, and Xiang-Shan Wang  
 Published online 4 November 2013



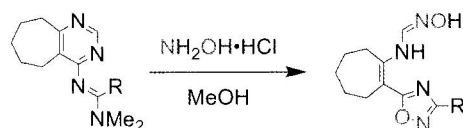
- 507 Synthesis and Characterization of Novel *N*-Alkylamine- and *N*-Cycloalkylamine-Derived 2-Benzoyl-*N*-aminohydrazinecarbothioamides, 1,3,4-Thiadiazoles and 1,2,4-Triazole-5(4*H*)thiones  
 Henryk Foks, Danuta Pancechowska-Ksepko, and Katarzyna Gobis  
 Published online 11 November 2013



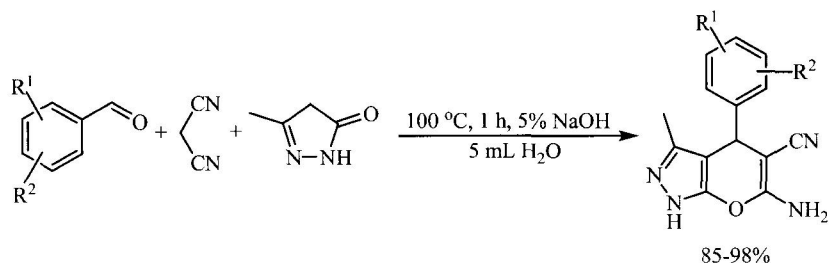
- 513 Synthesis and Antimicrobial Screening of Some Novel 2-(5-(4-(1*H*-Benzo[*d*][1,2,3]triazol-1-yl)phenyl)-4,5-dihydro-1*H*-pyrazol-3-yl)phenols Incorporated by Triazole Moiety  
 Mohammad U. Shaikh, Ganesh R. Jadhav, Rajesh P. Kale, Asha V. Chate, Deepak R. Nagargoje, and Charansingh H. Gill  
 Published online 11 November 2013



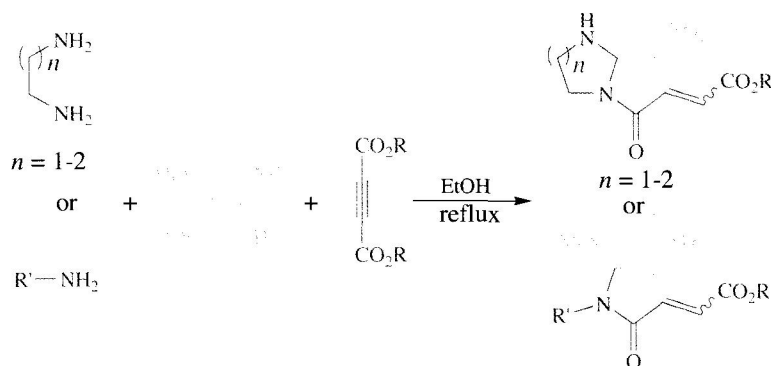
- 518 Polycyclic *N*-Heterocyclic Compounds. Part 78: Synthesis of *N*-[2-([1,2,4]Oxadiazol-5-yl)cyclohepten-1-yl]formamide Oximes and Their Evaluation as Inhibitors of Platelet Aggregation  
Kensuke Okuda, Ying-Xue Zhang, Takashi Hirota, and Kenji Sasaki  
Published online 13 November 2013



- 523 Green Approach to the Design of Functionalized Medicinally Privileged 4-Aryl-1,4-dihydropyrano[2,3-*c*]pyrazole-5-carbonitrile Scaffold  
Alexey I. Ilovaisky, Michael G. Medvedev, Valentina M. Merkulova, Michail N. Elinson, and Gennady I. Nikishin  
Published online 18 November 2013



- 527 Synthesis of 2-Oxopyrrole-fused 1,*n*-Diazaheterocyclic Compounds and Substituted 2-Oxopyrroles via a Three-component Reaction  
Abdolali Alizadeh and Azadeh Mikaeili  
Published online 18 November 2013



- 532 Tandem Aza-Michael–Aldol Reactions: One-Pot Synthesis of Functionalized Piperidine Derivatives  
Fu-Ping Huang, Zhen-Wen Dong, Hai-Rui Zhang, and Xin-Ping Hui  
Published online 19 November 2013

