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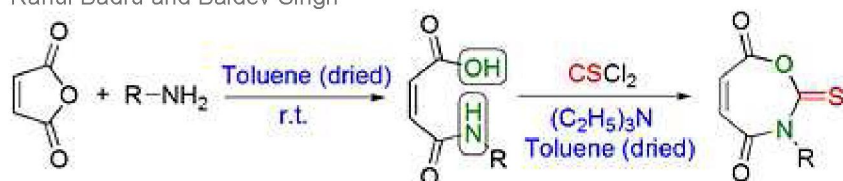
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Articles

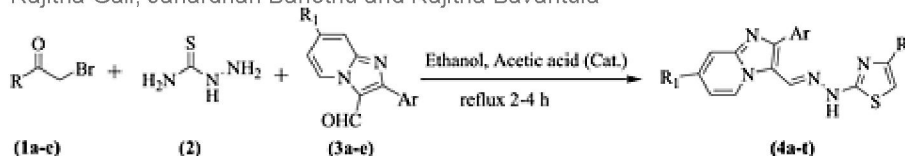
Triethylamine-Catalyzed Synthesis of Oxazepine from Maleamic Acids (pages 635–640)

Rahul Badru and Baldev Singh



One-Pot Multicomponent Synthesis of Novel Substituted Imidazo[1,2-*a*]Pyridine Incorporated Thiazolyl Coumarins and their Antimicrobial Activity (pages 641–646)

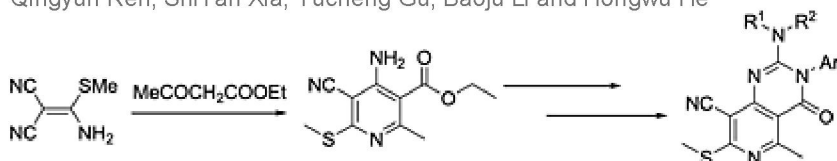
Rajitha Gali, Janardhan Banothu and Rajitha Bavantula



Ar = 4-Br-C₆H₄, 4-Cl-C₆H₄, 4-NO₂-C₆H₄, 4-OCH₃-C₆H₄; R₁ = H, CH₃; R = Coumaryl, Naphthocoumaryl

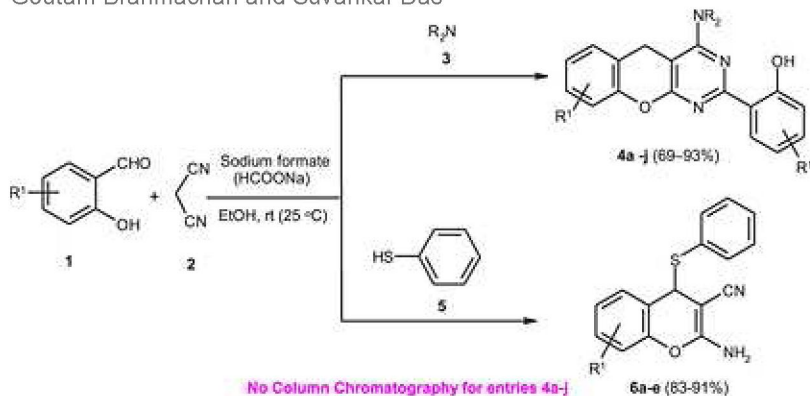
A Convenient Synthesis and Biological Activity of Novel Pyrido[4,3-*d*]pyrimidin-4(3*H*)-ones (pages 647–652)

Qingyun Ren, ShiYan Xia, Yucheng Gu, Baoju Li and Hongwu He



Sodium Formate-Catalyzed One-Pot Synthesis of Benzopyranopyrimidines and 4-Thio-substituted 4*H*-Chromenes via Multicomponent Reaction at Room Temperature (pages 653–659)

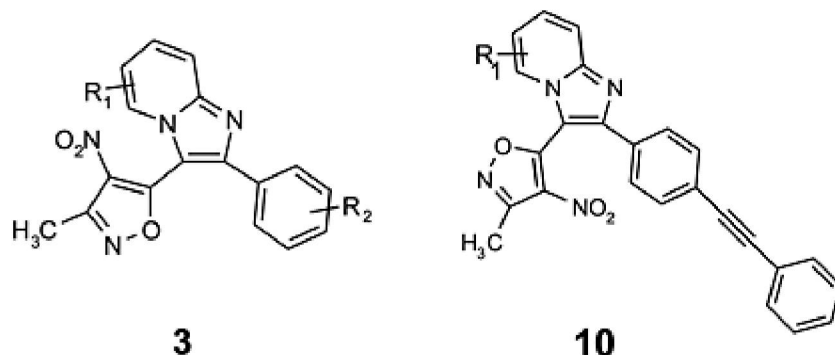
Goutam Brahmachari and Suvankar Das



1 C-C, 1 C-O, 3 C-N / 1 C-C, 1 C-O, 1 C-S bond formation in a single reaction vessel

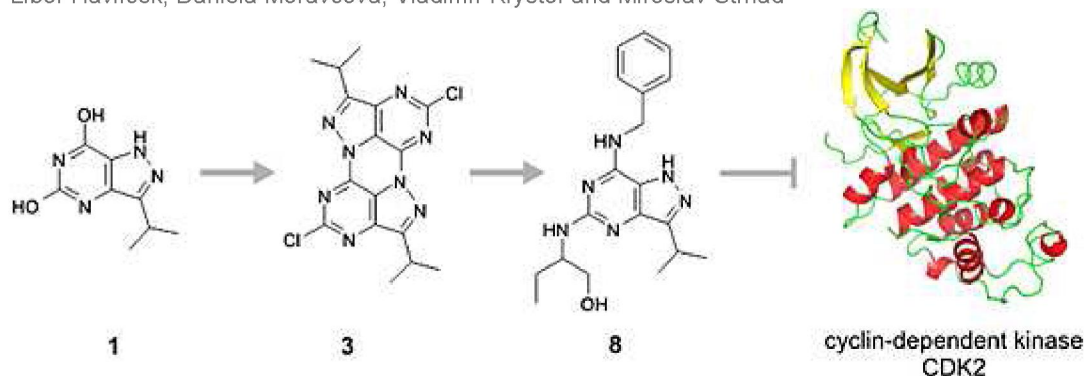
A Facile One-pot Synthesis of Highly Functionalized Isoxazolyl Imidazo[1,2-*a*] Pyridines Through CuI-Promoted Cyclization (pages 660–668)

E. Rajanarendar, K. G. Reddy, S. R. Krishna and M. Srinivas



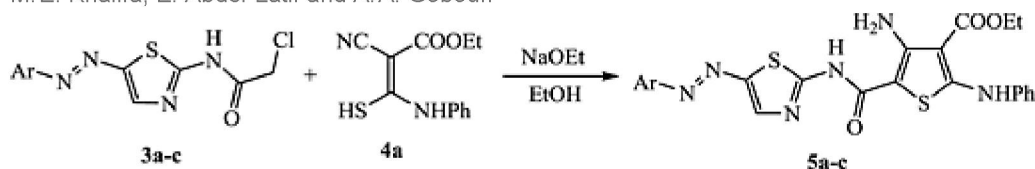
The Identification of a Novel Highly Condensed Pentacyclic Heteroaromatic Ring System 1,3,5,5b,6,8,10,10b-Octaazacyclopenta[h,i]Acanthrylene and its Application in the Synthesis of 5,7-Substituted Pyrazolo[4,3-*c*]Pyrimidines (pages 669–673)

Libor Havlíček, Daniela Moravcová, Vladimír Kryštof and Miroslav Strnad



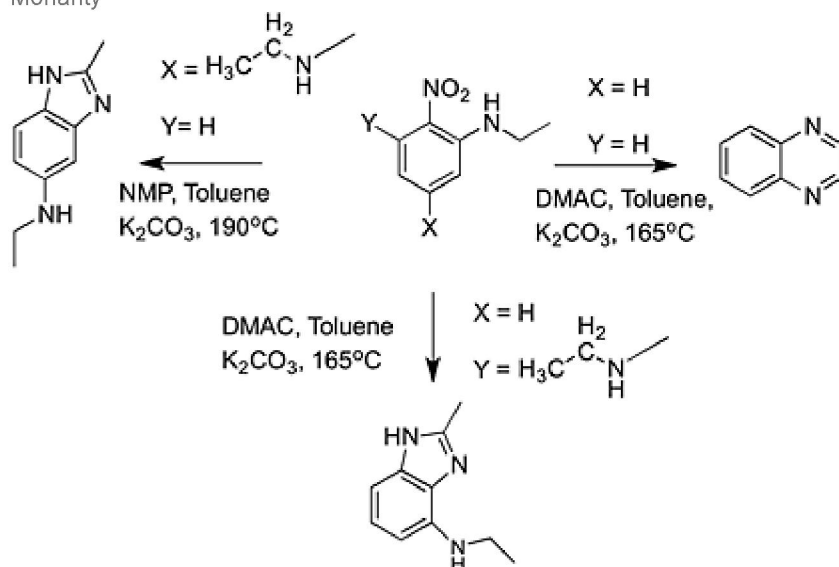
Disperse Dyes Based on 5-Arylazo-thiazol-2-ylcarbamoyl-thiophenes: Synthesis, Antimicrobial Activity and Their Application on Polyester (pages 674–680)

M. E. Khalifa, E. Abdel-Latif and A. A. Gobouri



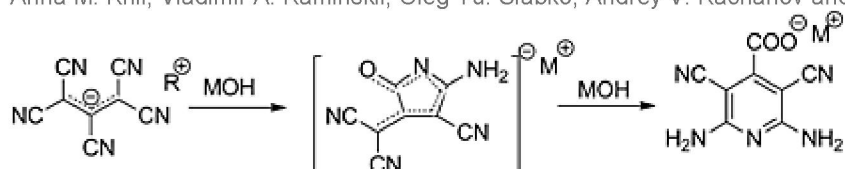
The Thermal Instability of 2,4 and 2,6-*N*-Alkylamino-disubstituted and 2-*N*-Alkylamino-substituted Nitrobenzenes in Weakly Alkaline Solution: *sec*-Amino Effect (pages 681–687)

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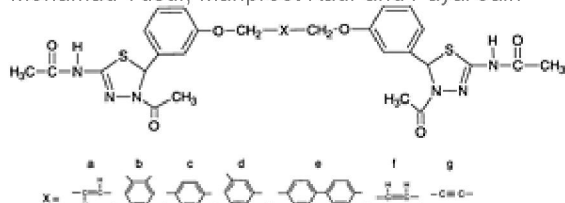
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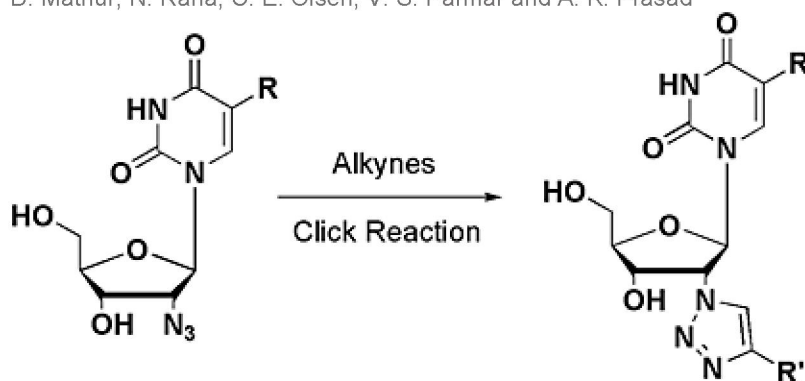
Synthesis and Antimicrobial Evaluations of 1,3,4-Thiadiazoline-based Bisheterocyclics (pages 692–700)

Mohamad Yusuf, Manpreet Kaur and Payal Jain



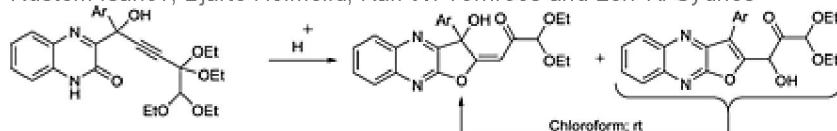
Cu(I)-Catalyzed Efficient Synthesis of 2'-Triazolo-nucleoside Conjugates (pages 701–710)

D. Mathur, N. Rana, C. E. Olsen, V. S. Parmar and A. K. Prasad



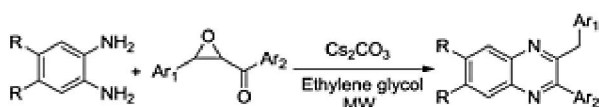
Synthesis of (*E*)-1,1-Diethoxy-3-(3-hydroxy-3-arylfuro[2,3-*b*]quinoxalin-2(3*H*)-ylidene)propan-2-ones via Acid-Catalyzed, Stereoselective 5-*Exo-Dig* Cyclization (pages 711–718)

Rustem Isanov, Bjarte Holmelid, Karl W. Törnroos and Leiv K. Sydnnes



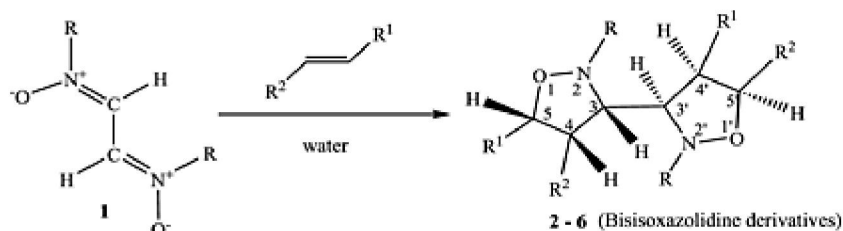
[4+2] Heterocyclization for Efficient Formation of Substituted Quinoxalines through Carbon–Oxygen Bonds Cleavage (pages 719–725)

Man-Su Tu, Hai-Wei Xu, Wei Fan, Bo Jiang and Shu-Jiang Tu

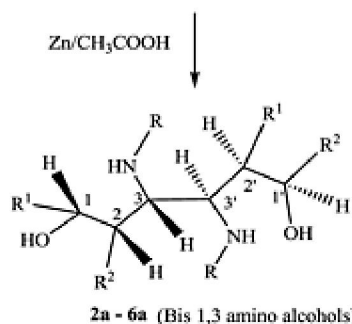


Synthesis of Some Novel Bisoxazolidine Derivatives from Glyoxal-derived Bisnitrones via Simultaneous Double Cycloaddition Reactions in Water (pages 726–731)

Bhaskar Chakraborty and Govinda Prasad Luitel

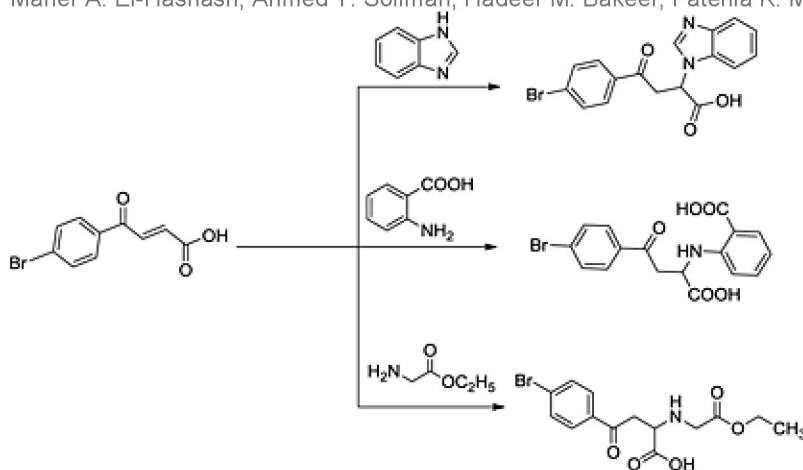


R = CH₃; C₆H₅; CH₂C₆H₅
 2 : R₁, R₂ = -CONMeCO-
 3 : R₁, R₂ = -CONPhCO-
 4 : R₁, R₂ = -CONC₆H₅CO-
 5 : R₁ = H; R₂ = -CO₂CH₃
 6 : R₁ = H; R₂ = -C₆H₅



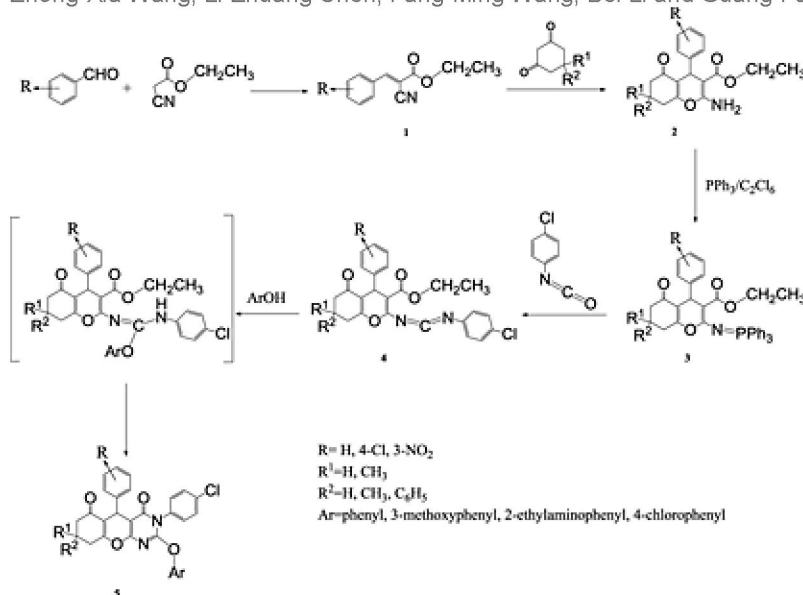
Synthesis of Novel Heterocyclic Compounds with Expected Antibacterial Activities from 4-(4-Bromophenyl)-4-oxobut-2-enoic Acid (pages 732–743)

Maher A. El-Hashash, Ahmed Y. Soliman, Hadeer M. Bakeer, Fatehia K. Mohammed and Haitham Hassan



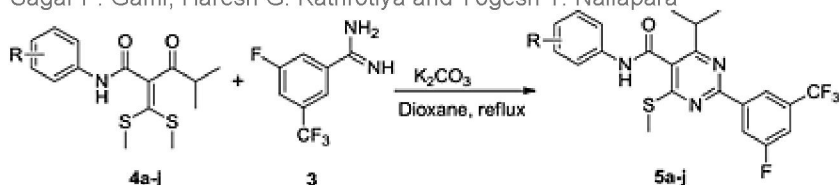
Synthesis of Novel 2-Aryloxy-3-(4-chlorophenyl)-8-substituted-5-aryl-8,9-dihydro-3H-chromeno[2,3-d]pyrimidine-4,6(5H,7H)-dione Derivatives (pages 744–750)

Zhong-Xia Wang, Li-Zhuang Chen, Fang-Ming Wang, Bei Li and Guang-Fan Han



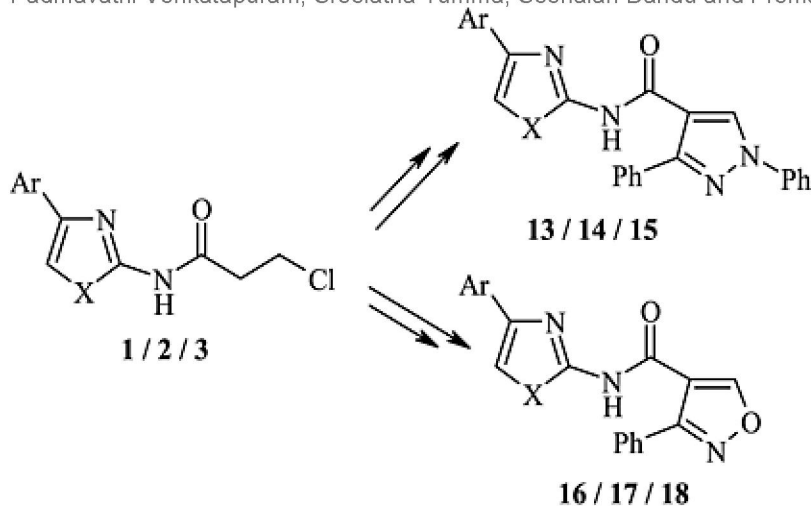
One-pot Synthesis of Fully Substituted Pyrimidines Using Amidine and Ketene Dithioacetals as Synthons and Their Antimicrobial Activity (pages 751–755)

Sagar P. Gami, Haresh G. Kathrotiya and Yogesh T. Naliapara



Synthesis of Amido-linked Oxazolyl/Thiazolyl/Imidazolyl Pyrazoles and Isoxazoles (pages 756–763)

Padmavathi Venkatapuram, Sreelatha Tumma, Seenaiiah Dandu and Premakumari Chokkappagari

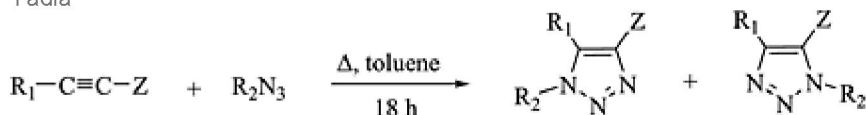


1, 4, 7, 10, 13, 16: X = O
 2, 5, 8, 11, 14, 17: X = S
 3, 6, 9, 12, 15, 18: X = NH

Ar = a) Ph
 b) 4-Me.Ph
 c) 4-Cl.Ph

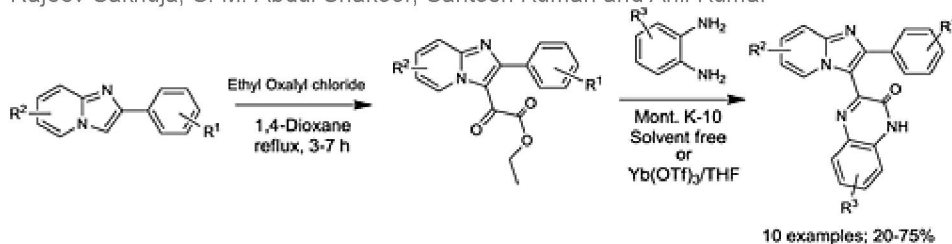
Synthesis and Antimicrobial Activity of *N*-Aryl-4-(cyano/alkoxycarbonyl)-5-(pyridin-3-yl)-1*H*/3*H*-1,2,3-triazole Derivatives (pages 764–772)

Jayaram Reddy Komsani, Sreenivas Avula, Satish Koppireddi, Pranay Kumar Koochana, Murty USN and Rambabu Yadla



Microwave-Assisted Expedite Synthesis of 2-Phenylimidazo[1,2-*a*]pyridylquinoxalin-2(1*H*)-ones (pages 773–779)

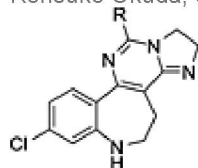
Rajeev Sakhujia, S. M. Abdul Shakoor, Santosh Kumari and Anil Kumar



10 examples; 20-75%

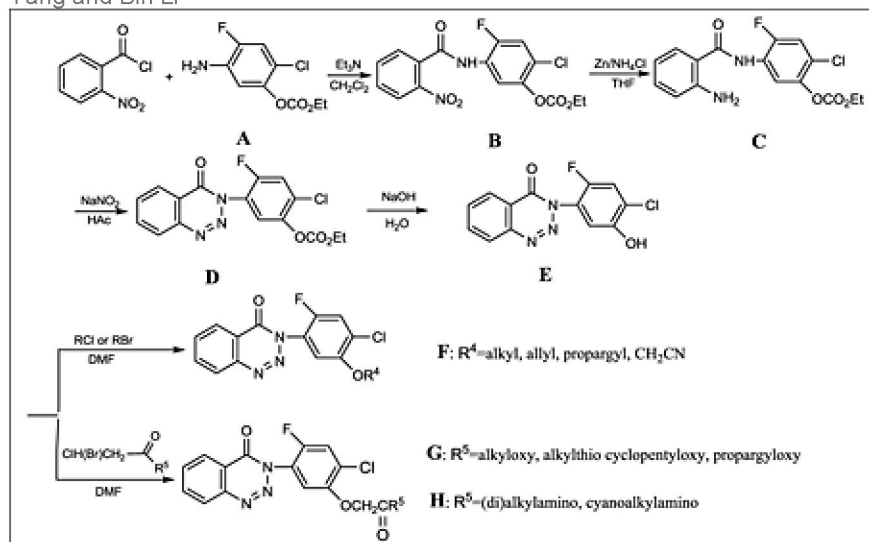
Polycyclic *N*-Heterocyclic Compounds. Part 86: Synthesis and Evaluation of Antiplatelet Aggregation Activity of 2,4-Disubstituted 9-Chloro-5,6-dihydropyrimido[5,4-*d*]benzazepine and Related Compounds (pages 780–792)

Kensuke Okuda, Shigeki Takarada, Takashi Hirota and Kenji Sasaki



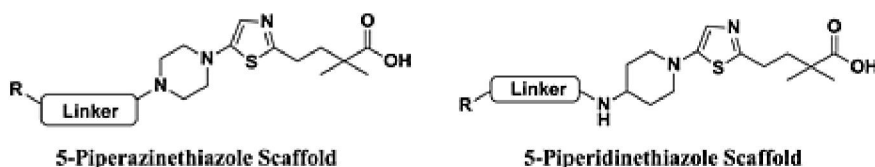
R = cyclohexyl is the most potent.

Synthesis and Herbicidal Activities of 3-(4-Chloro-2-fluoro-5-substituted phenyl)benzo[*d*][1,2,3]triazin-4(3*H*)-one Derivatives (pages 793–801)



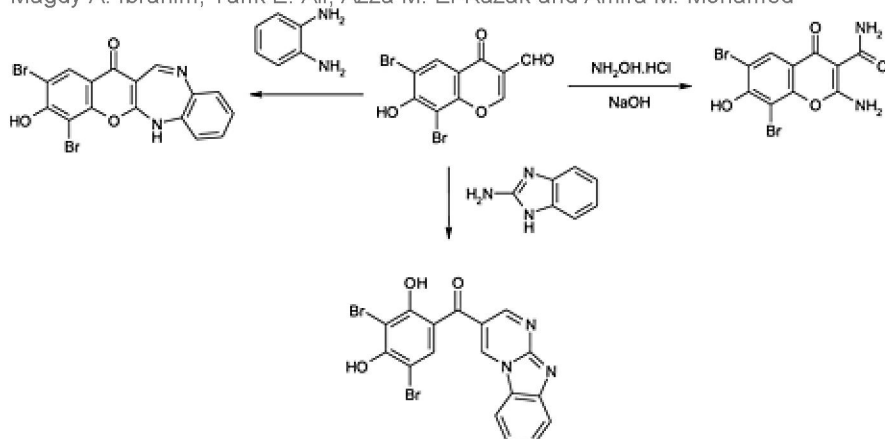
Synthesis, Characterization, and DGAT1 Inhibition of New 5-Piperazinethiazole and 5-Piperidinethiazole Analogs (pages 802–814)

Kishorkumar S. Kadam, Thirumanavelan Gandhi, M. Maheshkumar Reddy, Amol Gupte and Rajiv Sharma



Studies on the Chemical Reactivity of 6,8-dibromo-7-hydroxychromone-3-carboxaldehyde Towards Some Nitrogen Nucleophilic Reagents (pages 815–826)

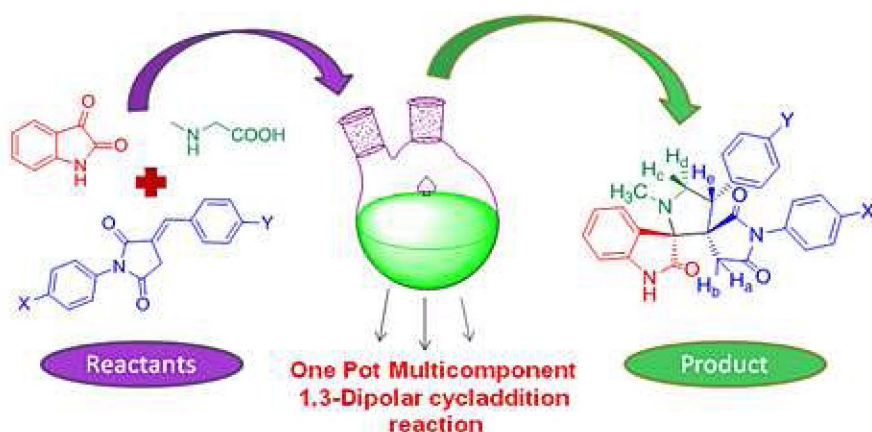
Magdy A. Ibrahim, Tarik E. Ali, Azza M. El-Kazak and Amira M. Mohamed



One-pot Regioselective Synthesis of Novel 1-*N*-Methyl-spiro[2,3]oxindole-spiro[3,3']-1'-*N*-arylpyrrolidine-2'',5''-dione-4-arylpyrrolidines through Multicomponent 1,3-Dipolar Cycloaddition Reaction of Azomethine Ylide (pages 827–833)

Anjandeep Kaur, Manpreet Kaur and Baldev Singh

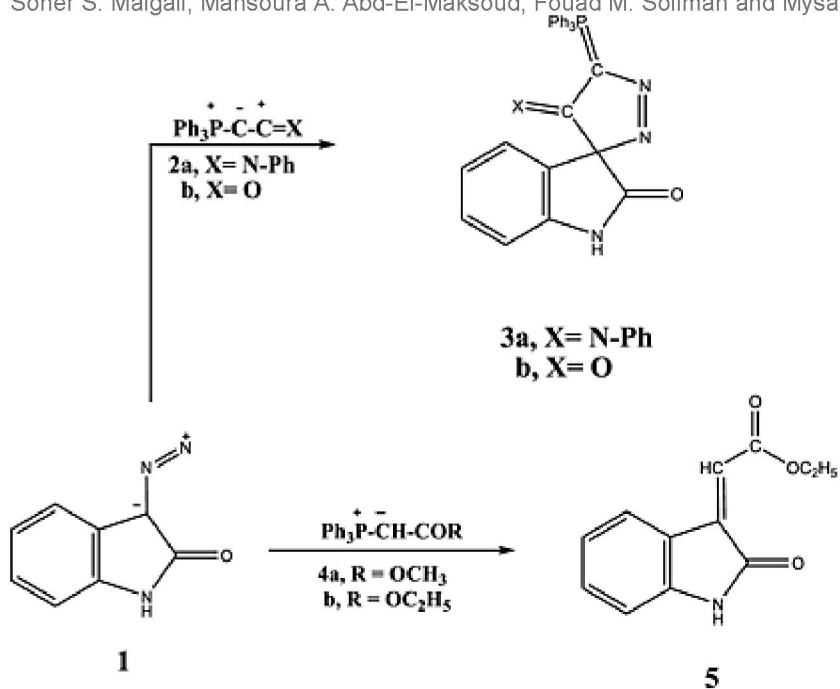
One pot Regioselective Synthesis of Novel 1-N-Methyl-spiro[2.3]oxindole-spiro[3.3']-1''-N-arylpyrrolidine-2'',5''-dione-4-arylpyrrolidines through Multicomponent 1,3-Dipolar Cycloaddition Reaction of Azomethine Ylide



Chemistry of Phosphorus Ylides. Part 40. Synthesis of Pyrazoles by the [3 + 2] Cycloaddition of Diazo

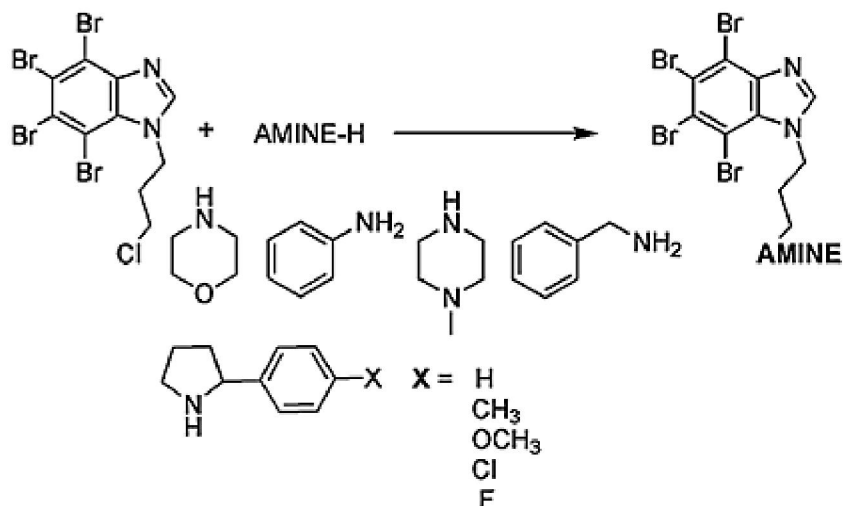
Compounds with Wittig Reagents as Antimicrobial Compounds (pages 834–840)

Soher S. Maigali, Mansoura A. Abd-El-Maksoud, Fouad M. Soliman and Mysa E. Moharam



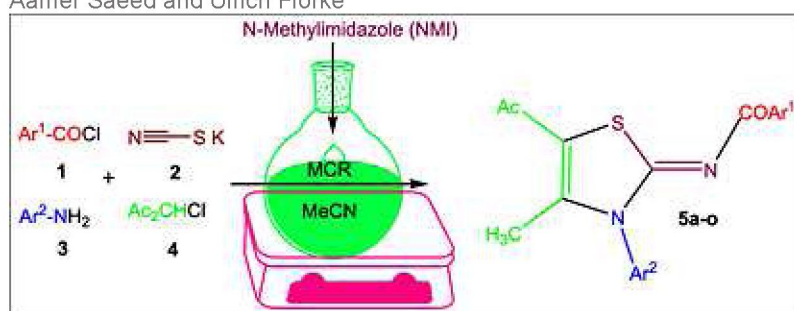
Synthesis of 4,5,6,7-Tetrabromo-1*H*-benzimidazole Derivatives (pages 841–845)

Edyta Łukowska-Chojnacka and Maria Bretner



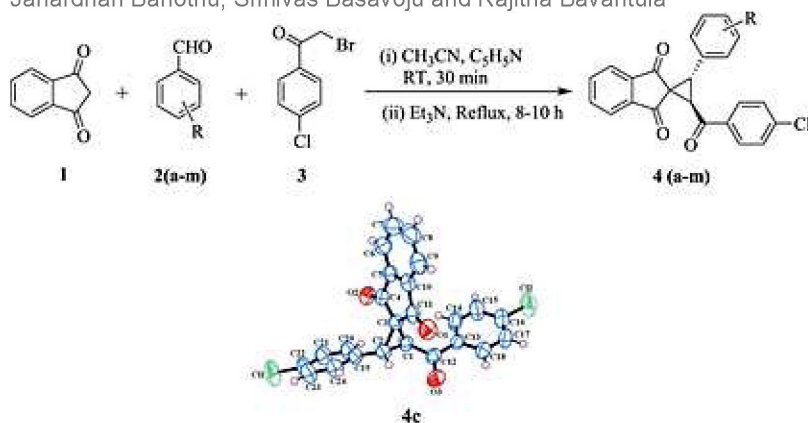
A One-pot, Four-component Protocol for the Synthesis of 2-Arylimino-3-aryl-4-methyl-5-acetyl-1,3-thiazolines (pages 846–852)

Aamer Saeed and Ulrich Flörke



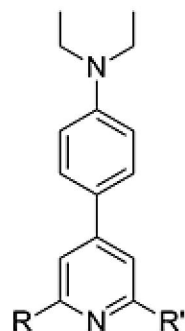
Pyridinium Ylide Assisted Highly Stereoselective One-Pot Synthesis of *trans*-2-(4-Chlorobenzoyl)-3-aryl-spiro[cyclopropane-1,2'-inden]-1',3'-diones and Their Antimicrobial and Nematicidal Activities (pages 853–860)

Janardhan Banothu, Srinivas Basavoju and Rajitha Bavantula

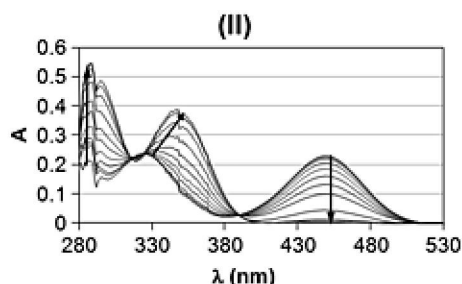
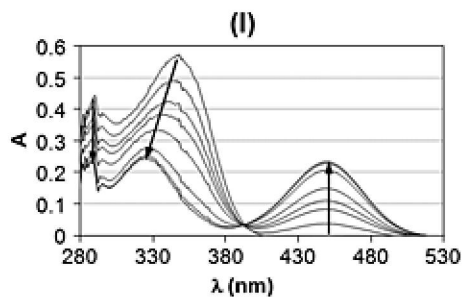


Synthesis and pH-Dependent Spectroscopic Behavior of 2,4,6-Trisubstituted Pyridine Derivatives (pages 861–872)

Gala Chapman, Isaac Solomon, Gabor Patonay and Maged Henary

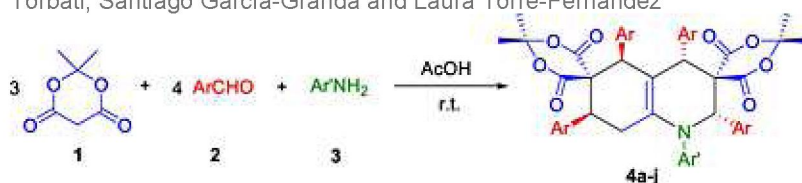


- | | |
|--------------------------------|------------------------------|
| 1: R = Phenyl | R' = Phenyl |
| 2: R = <i>p</i> -Tolyl | R' = <i>p</i> -Tolyl |
| 3: R = <i>p</i> -Chlorophenyl | R' = <i>p</i> -Chlorophenyl |
| 4: R = β -Naphthyl | R' = β -Naphthalene |
| 5: R = <i>tert</i> -Butyl | R' = <i>tert</i> -Butyl |
| 6: R = Phenyl | R' = <i>o</i> -Hydroxyphenyl |
| 7: R = <i>p</i> -Methoxyphenyl | R' = Phenyl |



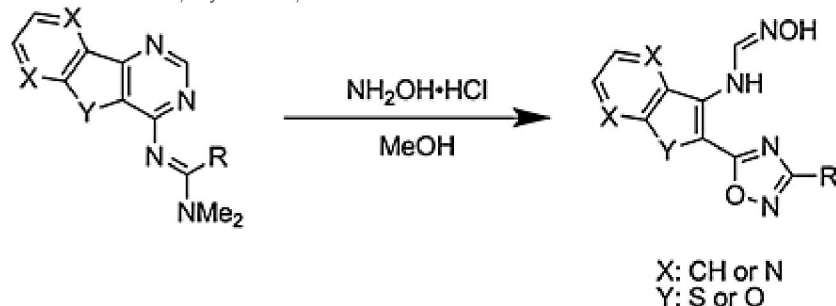
A Novel Route for the Diastereoselective Synthesis of Dispiro[tetrahydroquinoline-bis(2,2-dimethyl[1,3]dioxane-4,6-dione)] Derivatives via a One-Pot Domino Multicomponent Reaction of Arylamines, Aromatic Aldehydes, and Meldrum's Acid (pages 873–879)

Mojtaba Lashkari, Malek Taher Maghsoodlou, Nourallah Hazeri, Sayyed Mostafa Habibi-Khorassani, Niloufar Akbarzadeh Torbati, Santiago Garcia-Granda and Laura Torre-Fernández



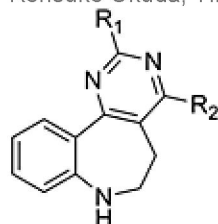
Polycyclic *N*-Heterocyclic Compounds. Part 84: Reaction of *N*-(pyrido[3',2':4,5]thieno[3,2-*d*]pyrimidin-4-yl)amidines or *N*-(pyrido[2',3':4,5]furo[3,2-*d*]pyrimidin-4-yl)amidines with Hydroxylamine Hydrochloride (pages 880–887)

Kensuke Okuda, Ryota Ide, Naoto Uramaru and Takashi Hirota



Polycyclic *N*-Heterocyclic Compounds. Part 85: Synthesis and Evaluation of Antiplatelet Aggregation Activity of 2,4-Disubstituted 5,6-Dihydro[1]benzazepino[5,4-*d*]pyrimidine and Related Compounds (pages 888–895)

Kensuke Okuda, Ying-Xue Zhang, Takashi Hirota, and Kenji Sasaki

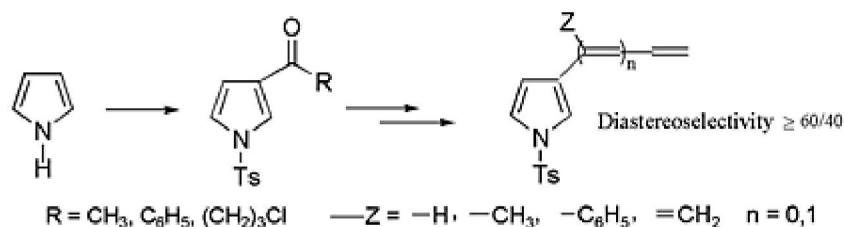


$R_1 = H$ and $R_2 = 4$ -morpholino is the most potent.

Notes

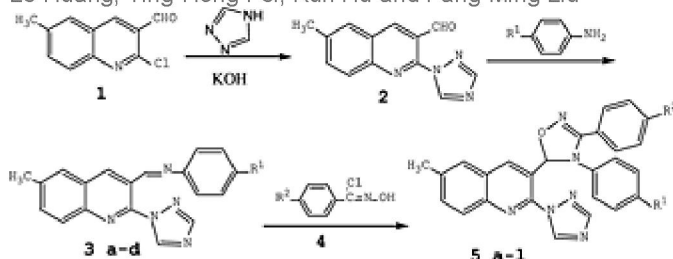
Synthesis of 3-Butadienyl-1-tosylpyrroles (pages 896–901)

Roberta Settambolo



Synthesis of Novel 1,2,4-oxadiazoline Derivatives Containing Quinoline Moiety by 1,3-Dipolar Cycloaddition (pages 902–906)

Le Huang, Ting-Hong Fei, Kun Hu and Fang-Ming Liu

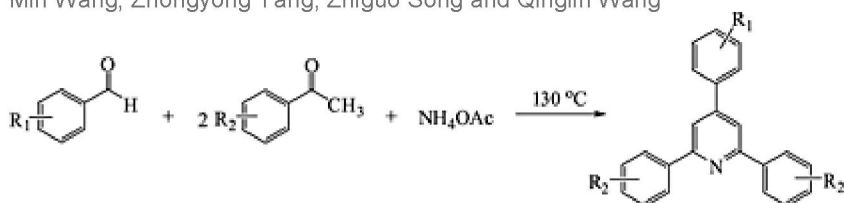


3: a b c d
 R^1 : H Cl CH₃ OCH₃

5: a b c d e f g h i j k l
 R^1 : H H H Cl Cl Cl CH₃ CH₃ CH₃ OCH₃ OCH₃ OCH₃
 R^2 : H Cl CH₃ H Cl CH₃ H Cl CH₃ H Cl CH₃

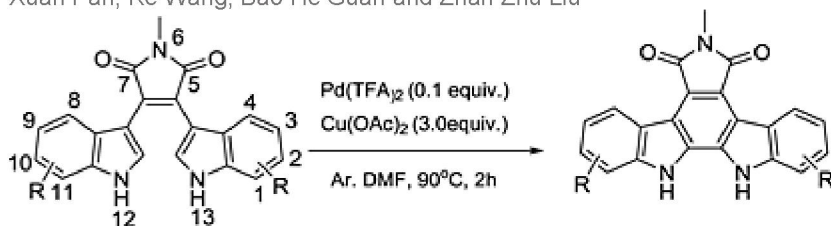
Three-Component One-Pot Synthesis of 2,4,6-Triarylpyridines without Catalyst and Solvent (pages 907–910)

Min Wang, Zhongyong Yang, Zhiguo Song and Qinglin Wang



Synthesis of Indolo[2,3-a]pyrrolo[3,4-c]carbazoles via the Oxidative Cyclization of Bisindolylmaleimides with Pd(TFA)₂/Cu(OAc)₂ (pages 911–913)

Xuan Pan, Ke Wang, Bao He Guan and Zhan Zhu Liu



1a R: 1,11= Me
1b R: 3,9= OMe
1c R: 2,10= F
1d R: 3,9= OCH₂Ph

2a, 83%
2b, 94%
2c, 84%
2d, 87%

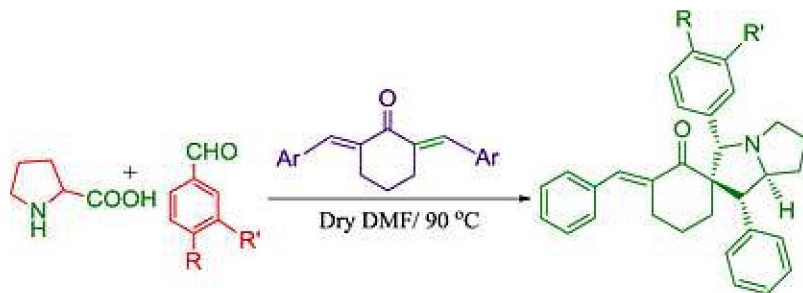
Synthesis and Characterization of New Helical Coumarins (pages 914–918)

Harish R. Talele, Firasat Hussain and Ashutosh V. Bedekar



Selective Synthesis of 6'-Arylidene-1-aryl-3-aryl-spiro[pyrrolizidine-2,2'-cyclohexanone] by Cycloaddition of Azomethine Ylides to Dibenzylidene Cyclohexanone (pages 919–925)

Biswajit Gayen and Avijit Banerji



InCl₃ Promoted Synthesis of Pyrano[3,2-*h*]quinolines via Microwave Irradiation (pages 926–930)

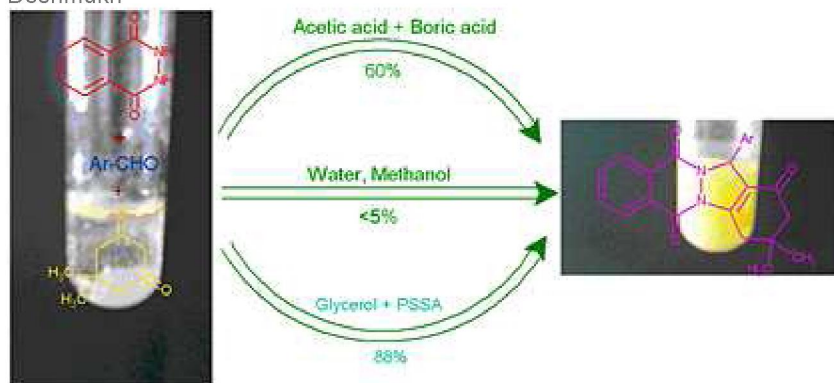
Gopal Senthil Kumar, Matthias Zeller, Michael A. Frasso and Karnam Jayarampillai Rajendra Prasad



$R = \text{C}_6\text{H}_5, 4\text{-Cl-C}_6\text{H}_4, 4\text{-CH}_3\text{O-C}_6\text{H}_4, 4\text{-CH}_3\text{-C}_6\text{H}_4, 3\text{-NO}_2\text{-C}_6\text{H}_4, \text{benzo}[d][1,3]\text{dioxal-5'-yl}, 2\text{-chloroquinolin-3'-yl}$

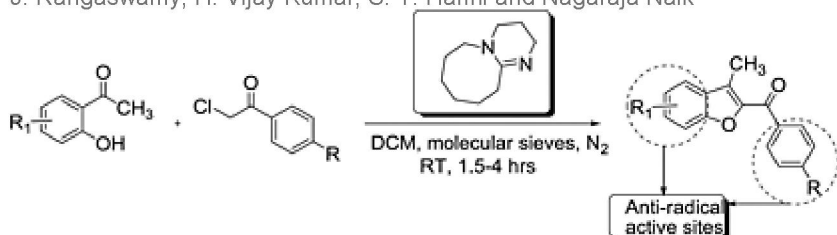
Polymer-Supported Sulfonic Acid-Catalyzed Candid Synthesis and Photophysical Properties of 2*H*-indazolo[2,1-*b*]phthalazinetriones (pages 931–937)

Abhijeet Mulik, Dattatraya Chandam, Prasad Patil, Dayanand Patil, Suryabala Jagdale, Sandip Sankpal and Madhukar Deshmukh



An Easy Access to Benzofurans via DBU Induced Condensation Reaction of Active 2-Hydroxy Acetophenones with Phenacyl Chlorides: A Novel Class of Antioxidant Agents (pages 938–943)

J. Rangaswamy, H. Vijay Kumar, S. T. Harini and Nagaraja Naik



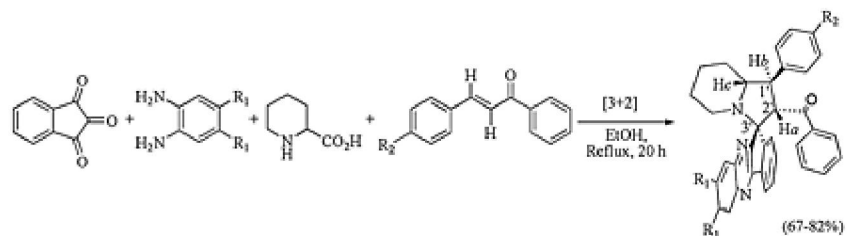
$R_1 = \text{H}, \text{CH}_3, \text{NO}_2, \text{OCH}_3, \text{Br}$

$R = \text{H}, \text{OCH}_3, \text{CH}_3, \text{OH}$

Communications

Highly Regioselective and Diastereoselective, One-Pot, Four-Component Synthesis of Novel Spiroindenoquinolineindolizidine Derivatives (pages 944–948)

Mehdi Moemeni, Hamid Arvinnezhad, Saadi Samadi, Farbod Salahi, Khosrow Jadidi and Behrouz Notash



[1,3]Thiazolo[2',3':3,4][1,2,4]triazolo[1,5-a]pyrimidines – A New Heterocyclic System Accessed via Bromocyclization (pages 949–952)

Maksym Fizer, Mikhailo Slivka, Eduard Rusanov, Alexandr Turov and Vasil Lendel

