

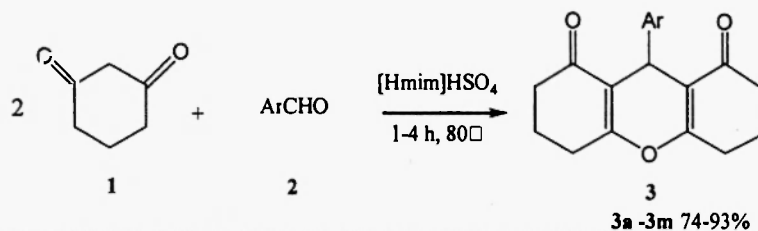
Graphical Abstract

Heterocycl. Commun.14 (2008) 223-227

Condensation Of 1,3-Cyclohexanedione With Aromatic Aldehydes Catalyzed By Acidic Ionic Liquids

Hui Kang, Yi Hu*, He Huang and Ping Wei

College of Life Science and Pharmaceutical Engineering, Nanjing University of Technology, Nanjing, 210009, P. R. China
e-mail: huyi@njut.edu.cn



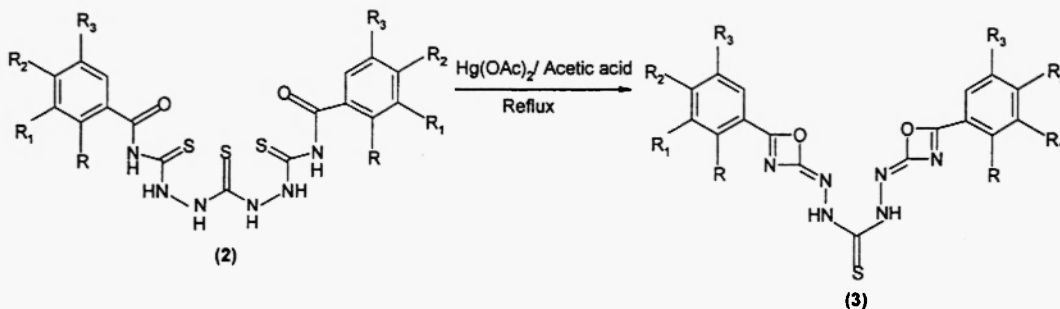
Heterocycl. Commun.14 (2008) 229-232

Synthesis Of Bis-N,N-(Substituted Aryl-2-Imino-1,3-Oxazete) Thiocarbamide

Vijay V Dabholkar* and Bharat M Parmar

Organic Research Laboratory, Department of Chemistry,
K C College, Churchgate, Mumbai-400 020.
e-mail: vijudabholkar@hotmail.com

A simple and novel method of synthesis of bis-N,N-(substituted aryl thiocarbamide) thiocarbamide 2a-e by phase transfer catalysis which on cyclisation with mercuric acetate in glacial acetic acid furnish bis-N,N-(substituted aryl-2-imino-1,3-oxazete) thiocarbamide 3a-e.

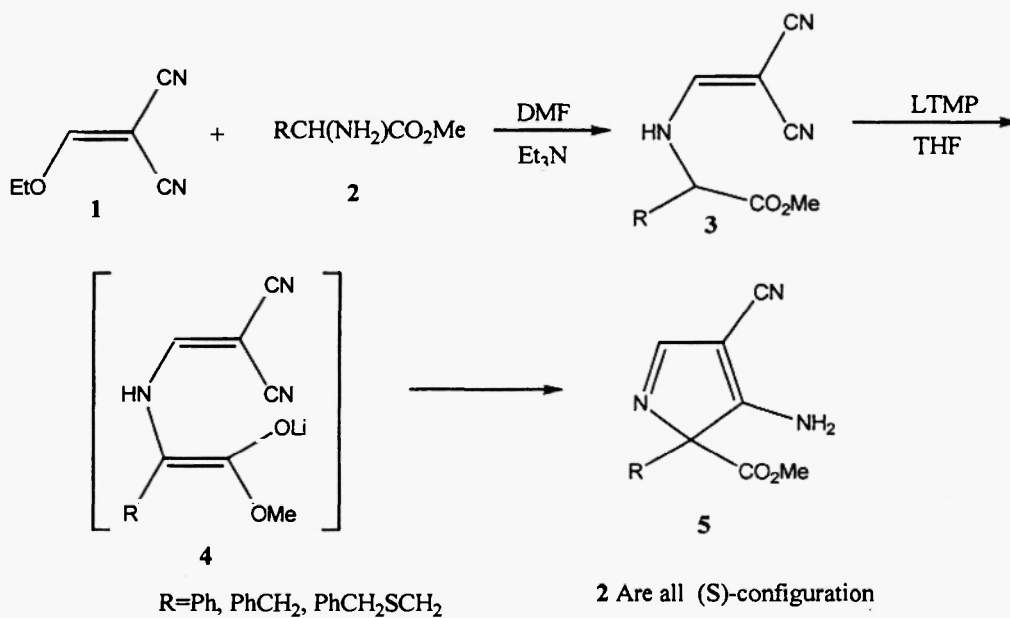


Asymmetric synthesis of 2-substituted 3-amino-4-cyanopyrroles via a two-step procedure consisting of a S_NV reaction on ethoxymethylenemalononitrile followed by a Thorpe-Ziegler cyclization

Sofia Botsi, Georgia Tsolomiti, Stylianos Hamilakis, and Athanase Tsolomitis*

The Laboratory of Organic Chemistry, The School of Chemical Engineering, The National Technical University of Athens, Athens 157 80, Greece
e-mail: tsolom@chemeng.ntua.gr

An asymmetric synthesis of 2-substituted 3-amino-4-cyanopyrroles **5** from a S_NV reaction of optically active α -amino acid esters on ethoxymethylenemalononitrile **1** to the corresponding aminomethylenemalononitriles **3**, followed by a Thorpe-Ziegler cyclization through the asymmetric induction of the lithium enolates **4**, generated from **3** and LTMP as base, is described.



Synthesis And Fluorescence Properties Of 4-Acyl Isochroman-1,3-Diones

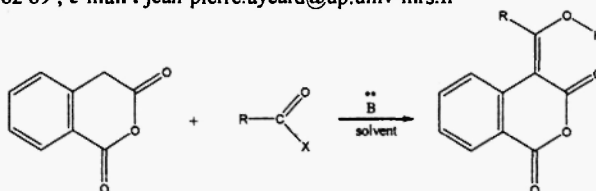
A. Djandé^a, L. Cissé^b, L. Kaboré^a, A. Saba^a, A. Tine^b and J. P. Aycard^{c*}

^aLaboratoire de Chimie Bio-Organique et de Phytochimie, Université de Ouagadougou (Burkina Faso) ;

^bLaboratoire de Photophysique, Université Cheick Anta DIOP Dakar (Sénégal) ;

^cLaboratoire de Spectrométries et Dynamique Moléculaires, UMR CNRS 6633, Université de Provence, Case 252, 13397 Marseille Cedex 20 (France).

*corresponding author : tel 33 (0)4 91 28 82 89 ; e-mail : jean-pierre.aycard@up.univ-mrs.fr



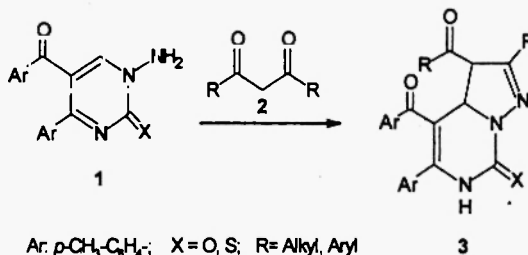
Synthesis Of Novel Dihydropyrazolo[1,5-C]Pyrimidin-7(3h)-One/-Thione Derivatives

Zülbiye Önal*, Hacer Ceran, Eda Şahin

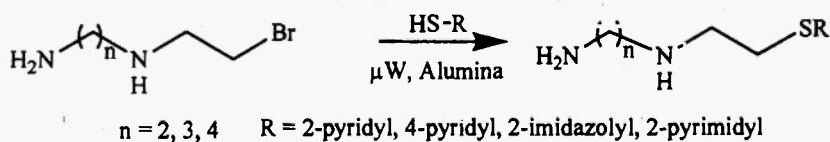
Department of Chemistry, Erciyes University, 38039, Kayseri, Turkey

e-mail: zulbiye@erciyes.edu.tr

The reaction of 1-amino-5-(4-methylbenzoyl)-4-(4-methylphenyl)pyrimidin-2(1H)-one/-thione (1) with various 1,3-dicarbonyl compounds (2a-h) afforded moderate to good yields of dihydropyrazolo[1,5-c]pyrimidin-7(3H)-one/-thione derivatives (3a-h).

**A Simple And Efficient Microwave Mediated Synthesis Of Novel S- Heterocyclic Aminoalkylamino Ethnane Thiols**Uma Pathak^{1*}, Lokesh Kumar Pandey¹, Avik Mazumder¹, Rajesh Kumar² and S.K. Raza¹

¹Synthetic Chemistry Division, ²Process Technology Division
Defence Research & Development Establishment, Gwalior- 474 002, India
Fax: (0091)751-2341148, e-mail: sc_drde@rediffmail.com

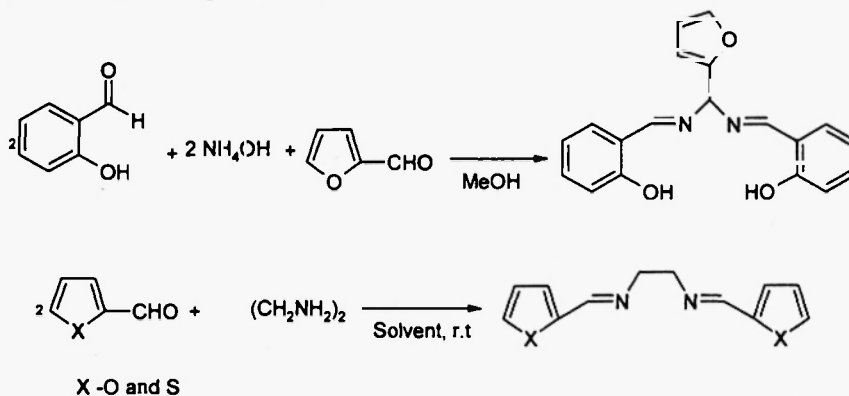


Facile And Convenient Synthesis And Characterization Of Novel Schiff Bases Involving Heterocyclic Ring Through One Pot Multicomponent Reactions Under Mild Conditions

Hossein Naeimi*, Khadigeh Rabiei

Department of Chemistry, Faculty of Sciences, University of Kashan, Kashan, 87317, I.R.Iran

Fax No.: +98-361-5552935, e-mail: naeimi@kashanu.ac.ir

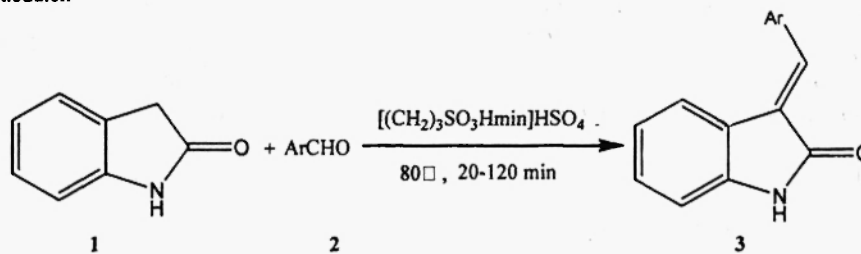


Facile Synthesis Of 3-Arylidene-1,3-Dihydroindol-2-Ones Catalyzed By Brønsted Acidic Ionic Liquids

Yi Hu, Hui Kang, Bi-Wen Zeng, He Huang* and Ping Wei

College of Life Science and Pharmaceutical Engineering, Nanjing University of Technology, Nanjing, 210009, P. R. China

e-mail: biotech@njut.edu.cn



Solid Support Synthesis: A New And Efficient Method For The Facile Synthesis Of Cyclic Alkylphosphonates Under Mild Conditions

Rajesh Kumar, A.K.Gupta, Deepak Pardasani, D.K.Dubey and M. P. Kaushik*

PTD Division, Defence Research & Development Establishment, Gwalior, India
e-mail: mpkaushik@rediffmail.com

Abstract: This article describes solid support synthesis of cyclic alkylphosphonates (CAPs), in which alkyl phosphonic dichlorides were condensed with alkanediols using celite-sodium carbonate as a solid support. The reported synthetic approach has advantages over conventional synthesis in terms of shorter reaction times, high yield, and easy work-up.

Key Words: solid support; alkanediol; alkyl phosphonic dichloride; Chemical warfare agents; Chemical Weapons Convention; cyclic alkylphosphonates

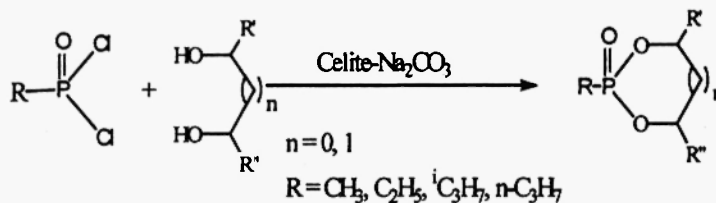


Figure 1 Reaction scheme for the synthesis of cyclic alkylphosphonates

Interaction Between Bromine With Tt12c4 And Ht18c6 In Di And Trichloromethane Solutions

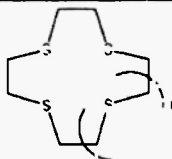
Abolfazl Semnani¹, ²Ali Reza Firooz, ³Hamid Reza Pouretdal and ³Mohammad Hossein Kehsavarz

¹Faculty of Sciences, University of Shahrekord, P.O. Box 115, Shahrekord, IRAN.

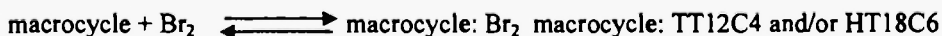
²Department of Chemistry, Faculty of Sciences, University of Isfahan, Isfahan, IRAN.

³Department of Chemistry, Malek-e-Ashtar University of Technology, Shahin-shahr, IRAN.

e-mail: a_semnani@yahoo.com



n=1, Tetrathia-12-crown-4 (TT12C4) n=3, Hexathia-18-crown-6 (HT18C6)

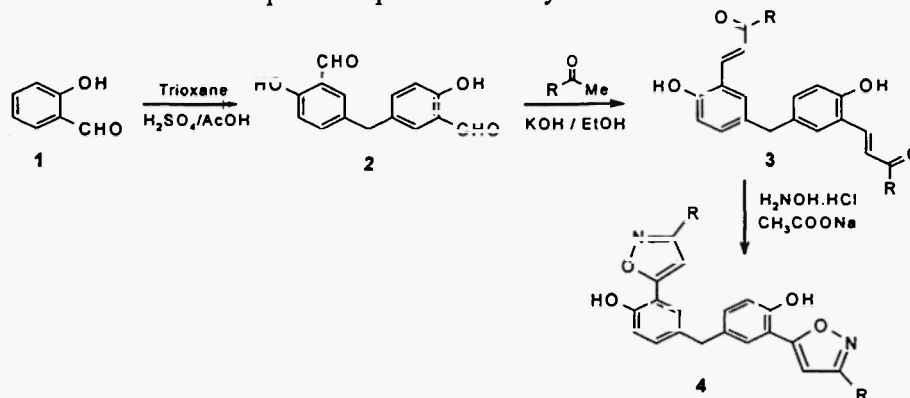


Synthesis of novel methylene-bis-isoxazoles as potential fungicidal agents

Ch. Sanjeeva Reddy* and A. Nagaraj

Department of Chemistry, Kakatiya University, Warangal – 506 009, India.
e-mail: chsrkuc@yahoo.co.in

A series of novel methylene-bis-chalcones **3** was prepared by the Claisen-Schmidt condensation of 5,5'-methylene-bis-salicylaldehyde **2** with various acetophenones, subsequent condensation of compound **3** with hydroxylamine hydrochloride gave the corresponding novel methylene-bis-isoxazoles **4** in good yields. Characterization of the new compounds has been done by means of IR, ¹H NMR, MS and elemental analyses. All the compounds have also been screened for their antifungal activity and some of them showed quite comparable activity with the standard antibiotics.

**Syntheses Of Novel β -Diketone Derivatives Of Pyrazole**

Usha Baloda, Y.C. Joshi, M. P. Dobhal

Department of Chemistry, University of Rajasthan,
Jaipur-302 004 (Raj.), India

Condensation of pyrazole-1-acetyl chloride **1** with acetophenone derivatives **2** in the presence of sodium methoxide in dry methanol led to the formation of various substituted β -diketones **3** (a-l). The structures of these newly synthesized compounds have been established by elemental analysis and spectral studies viz. IR, ¹H NMR.

