

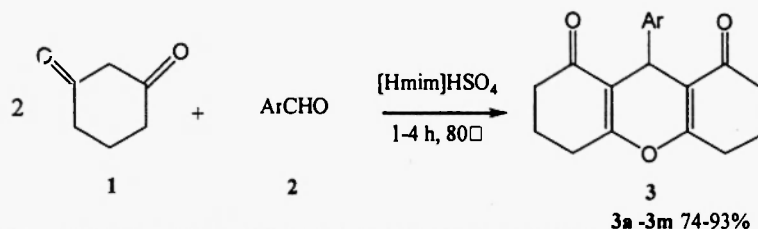
Graphical Abstract

Heterocycl. Commun.14 (2008) 223-227

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

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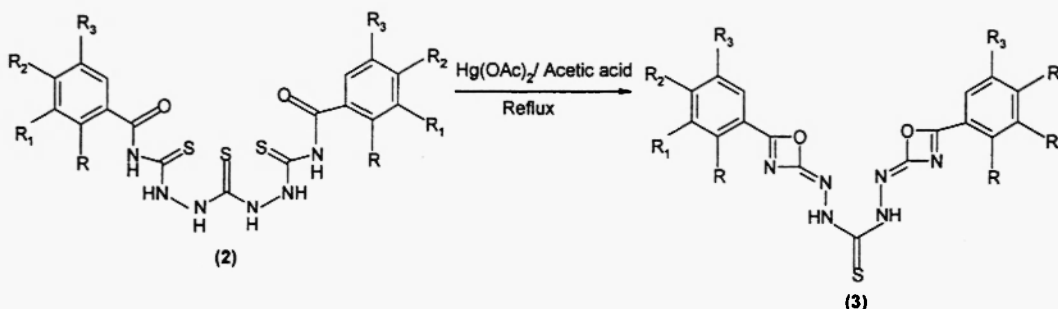
Heterocycl. Commun.14 (2008) 229-232

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

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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.

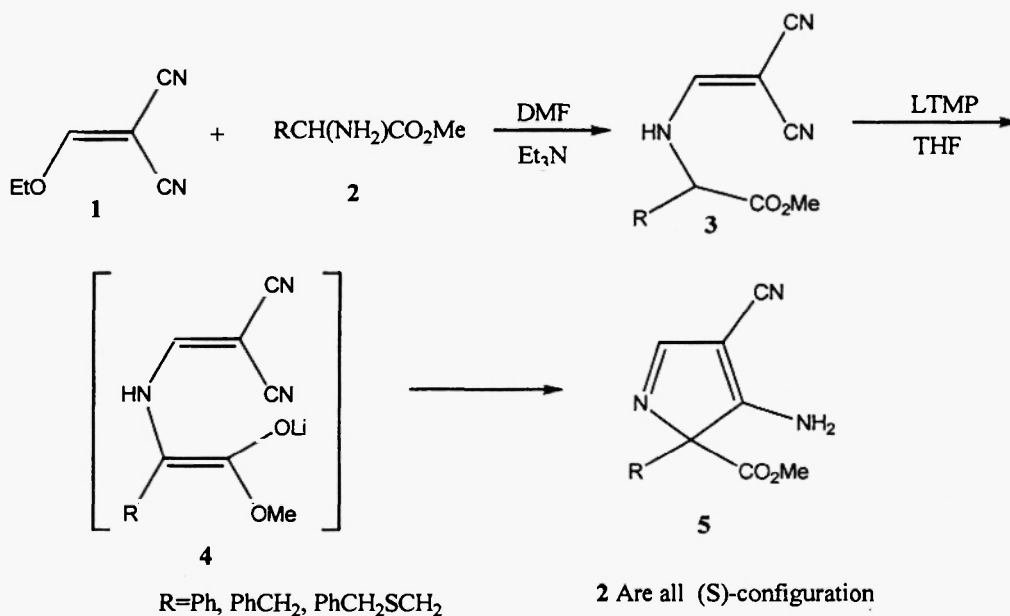


Asymmetric synthesis of 2-substituted 3-amino-4-cyanopyrroles via a two-step procedure consisting of a S_NV reaction on ethoxymethylenemalononitrile followed by a Thorpe-Ziegler cyclization

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

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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

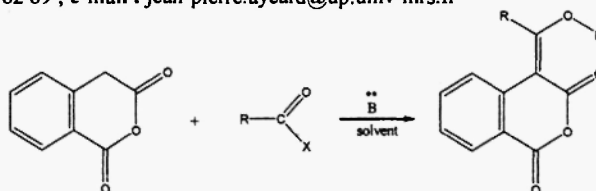
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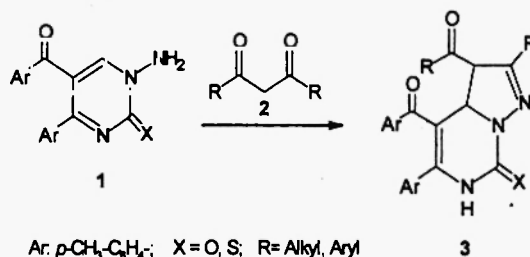
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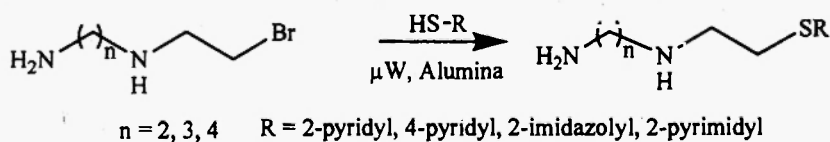


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The reaction of 1-amino-5-(4-methylbenzoyl)-4-(4-methylphenyl)pyrimidin-2(1H)-one/-thione (**1**) with various 1,3-dicarbonyl compounds (**2a-h**) afforded moderate to good yields of dihydropyrazolo[1,5-c]pyrimidin-7(3H)-one/-thione derivatives (**3a-h**).



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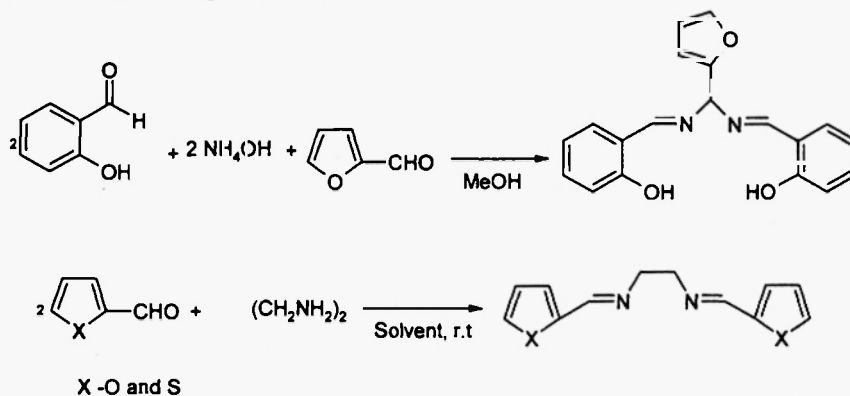


Facile And Convenient Synthesis And Characterization Of Novel Schiff Bases Involving Heterocyclic Ring Through One Pot Multicomponent Reactions Under Mild Conditions

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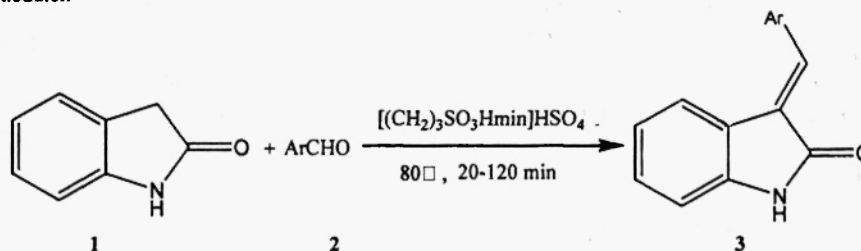


Facile Synthesis Of 3-Arylidene-1,3-Dihydroindol-2-Ones Catalyzed By Brønsted Acidic Ionic Liquids

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

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Abstract: This article describes solid support synthesis of cyclic alkylphosphonates (CAPs), in which alkyl phosphonicdichlorides 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 phosphonicdichloride; Chemical warfare agents; Chemical Weapons Convention; cyclic alkylphosphonates

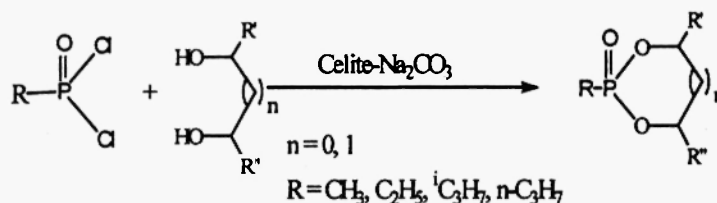


Figure 1 Reaction scheme for the synthesis of cyclic alkylphosphonates

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

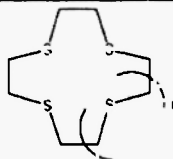
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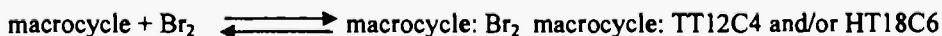
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$n=1$, Tetrathia- 12-crown-4 (TT12C4) $n=3$, Hexathia-18-crown-6 (HT18C6)



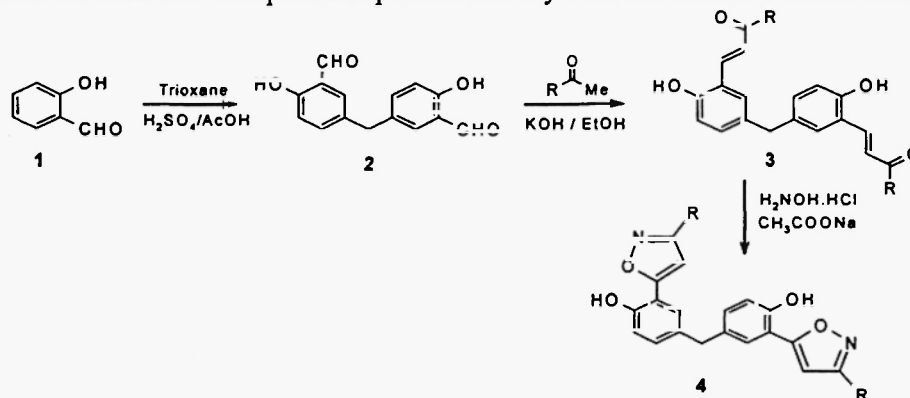
Synthesis of novel methylene-bis-isoxazoles as potential fungicidal agents

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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**

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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.

