

# Iranian Journal of Organic Chemistry

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## Contents

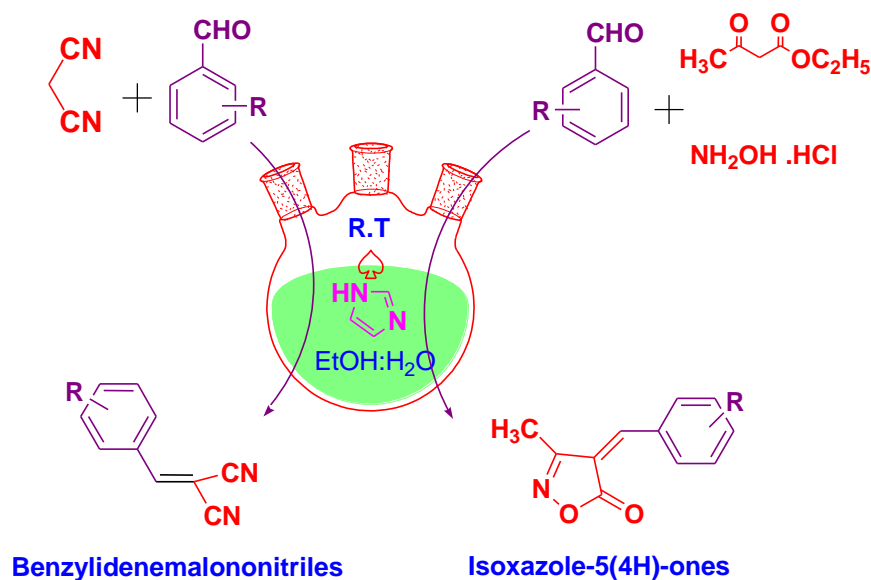
### Graphical Abstracts

Access to arylmethylidene-isoxazol-5(4H)-ones and benzylidenemalononitriles promoted by imidazole as an efficient organocatalyst

pp 1689-1691

Abdul Ahad and Maqdoom Farooqui\*

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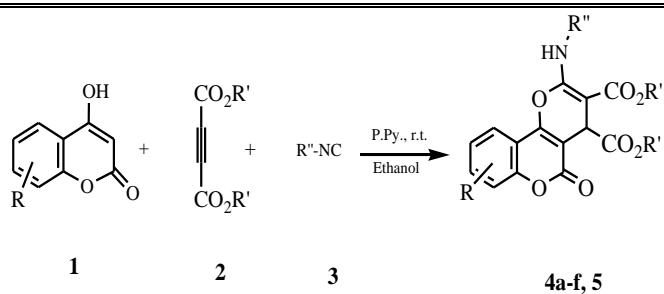
Synthesis of isoxazol-5(4H)-ones and benzylidene malononitriles

Synthesis and antibacterial of oxopyrano chromene derivatives through the multicomponent reaction of 4-hydroxycumarin derivatives with dialkylacetylene dicarboxylates and isocyanides catalyzed by piperidine

pp 1693-1701

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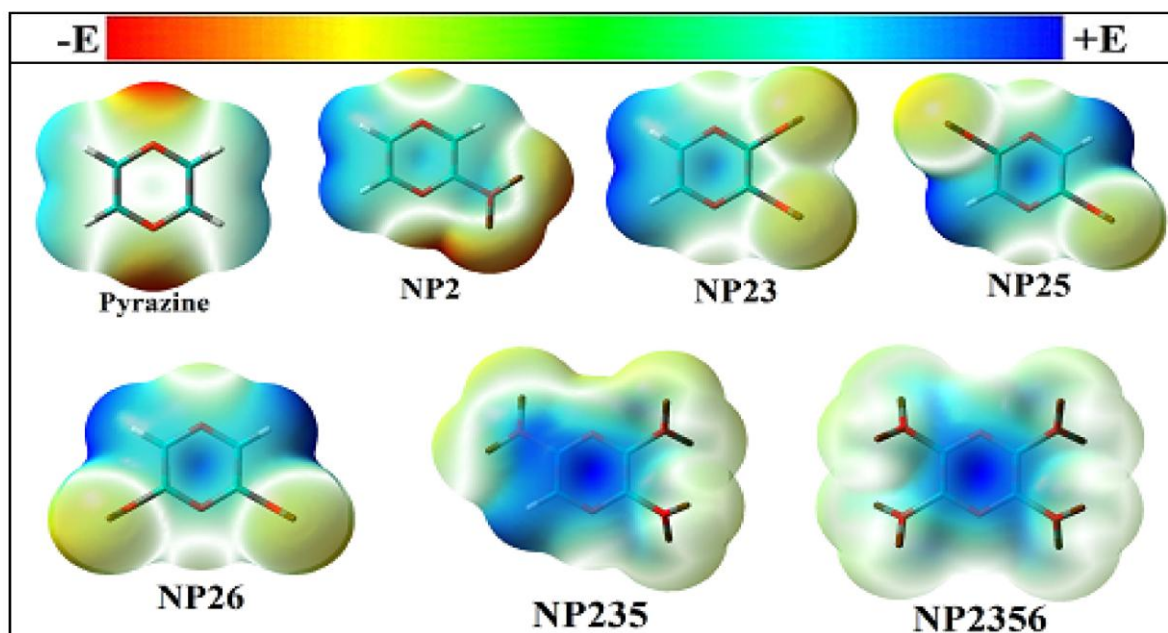
	R	R'	R''	Yield%
4a	H	Me	<i>tert</i> -buthyl	88
4b	H	Et	*	95
4c	H	Me	cyclohexyl	78
4d	H	Et	*	90
4e	F	Me	*	92
4f	F	Et	*	95
5	H	Et, Ph	<i>tert</i> -buthy	70

## A DFT treatment on nitro derivatives of pyrazine

pp 1703-1716

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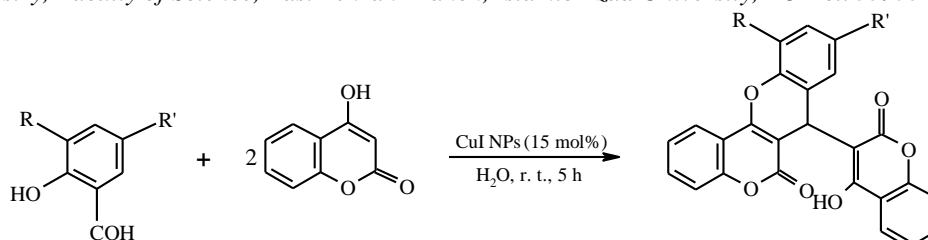


## CuI nanoparticles: A highly efficient catalyst for expedient and mild synthesis of dihydrochromeno[b]chromenone derivatives

pp 1717-1722

Narges Barghmadi and Shahrzad Abdolmohammadi\*

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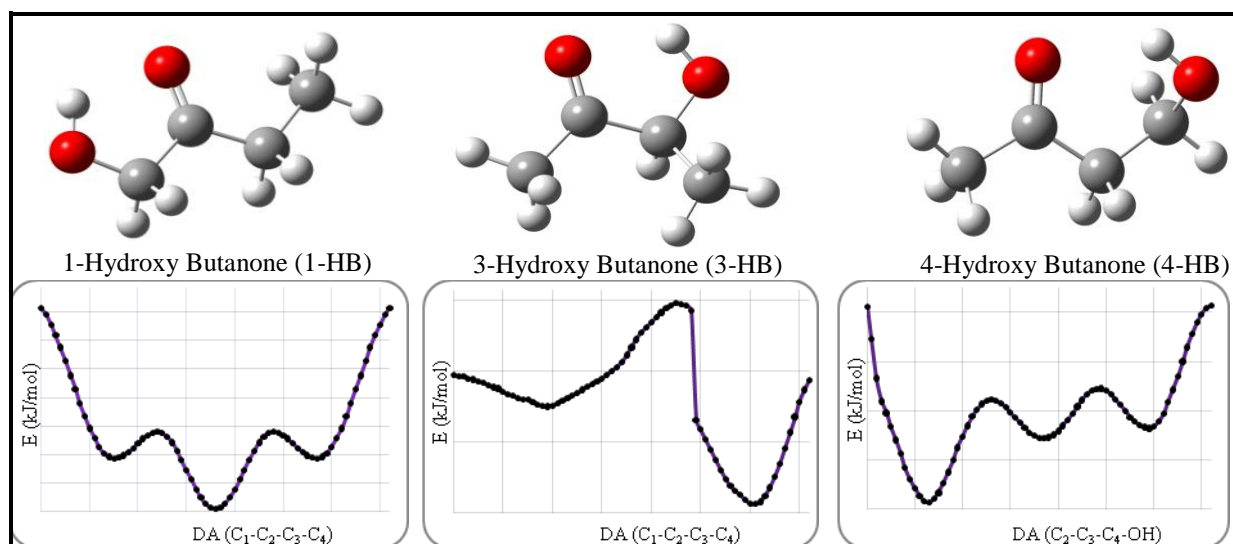


## Density Functional Theory studies of hydroxybutanones

pp 1723-1729

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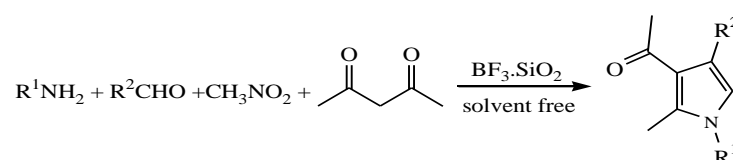


## BF<sub>3</sub>.SiO<sub>2</sub>: an efficient catalyst for the synthesis of tetrasubstituted pyrrole derivatives

pp 1731-1735

Ali Akbari\* and Hassan Raiesi Ahovan

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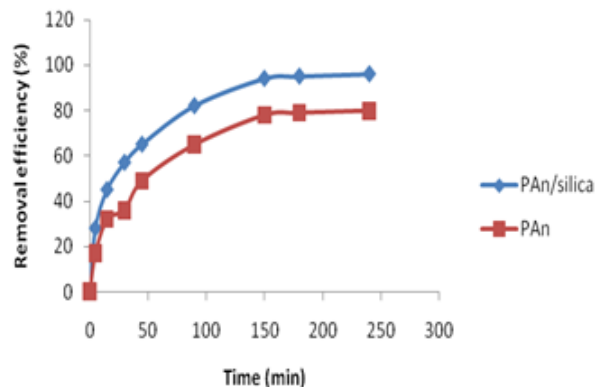
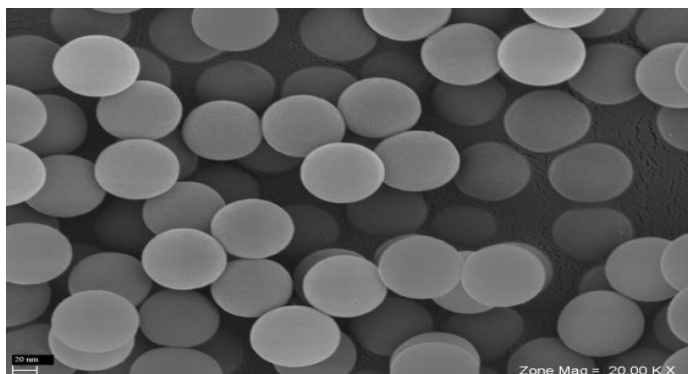


## Synthesis of polyaniline/nanosilica nanocomposite for removal of reactive orange 16 from aqueous solutions

pp 1737-1744

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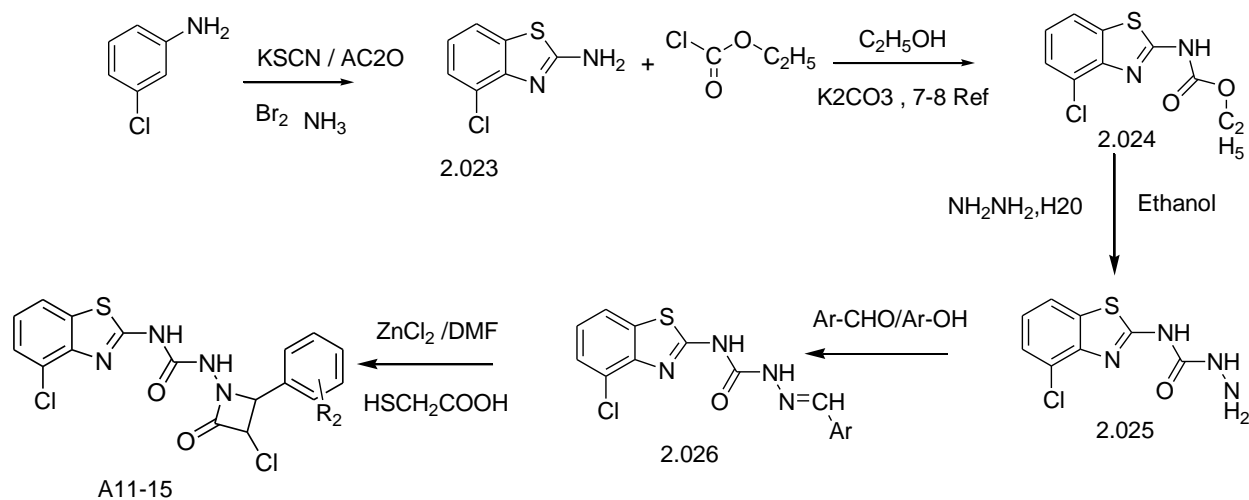


## Synthesis of substituted benzothiazole from 2,3,4 (tri substituted benzaldehyde) – N-(6,7-substituted-1,3-benzothiazol-2 yl) semicarbazone

pp 1745-1748

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Com.	R	R1	R2
A11	H	Cl	4-OCH <sub>3</sub>
A12	H	Cl	2-CH <sub>3</sub>
A13	H	Cl	3-CH <sub>3</sub>
A14	H	Cl	H
A15	H	Cl	2-OCH <sub>3</sub>