

Iranian Journal of Organic Chemistry

Iran JOC Vol. 11, No. 3, 2019

Contents

Graphical Abstracts

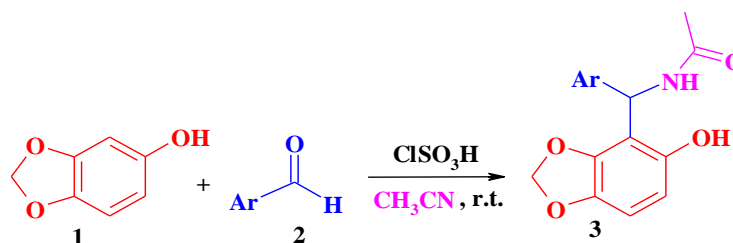
**A clean, simple and efficient synthesis of 1-[N-(5-hydroxybenzo[d][1,3]dioxol-4-yl)(aryl)methyl]acetamides via chlorosulfonic acid as catalyst:
A green protocol**

pp 2645-2649

Shabnam Salari ^a, Mohammad H. Mosslemin ^{a*} and Alireza Hassanabadi ^b

^aDepartment of Chemistry, Yazd Branch, Islamic Azad University, Yazd, Iran

^bDepartment of Chemistry, Zahedan Branch, Islamic Azad University, Zahedan, Iran

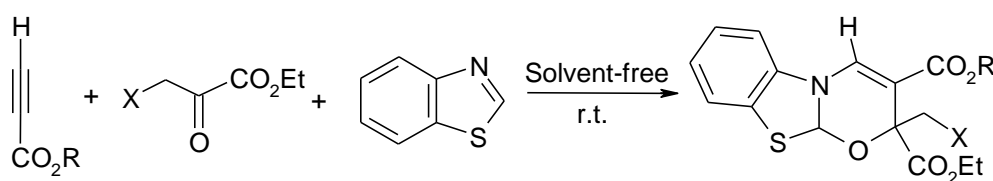


Catalyst-free synthesis of thiazole derivatives using propiolates

pp 2651-2654

Parvaneh Firoozi-khanghah, ^{*} and Sanaz Souri

Chemistry Department, Tarbiat Modares University, PO Box 14115-175, Tehran, Iran

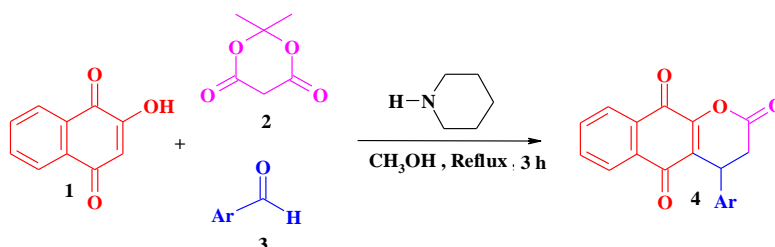


A green, efficient and one-pot synthesis of 4-(aryl)-3,4-dihydro-benzochromene-2,5,10-triones

pp 2655-2658

Maryam Razavi-Heidari and Alireza Hassanabadi*

Department of Chemistry, Zahedan Branch, Islamic Azad University, Zahedan, Iran

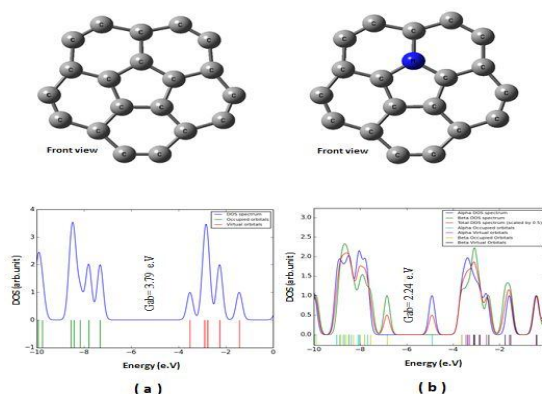


Computational study of adsorption of some gas molecules on the undoped and N-doped fullerenes C₂₀ bowl as a gas sensor

pp 2659-2665

Ahmed j. Hassan

Department of Physics, College of Science, University of Thi-Qar, Nasiriya, IRAQ



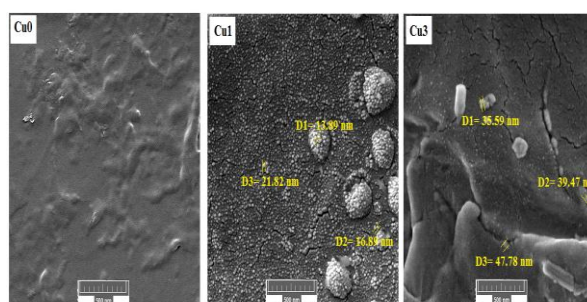
Investigation of swelling and antibacterial properties of carboxymethyl chitosan/Poly (vinyl alcohol) nanocomposite hydrogels containing CuO nanoparticles

pp 2667-2677

Iman Gholamali^a, Manzarbanou Asnaashariifahani^{a,*}, Eskandar Alipour^a and Abbas Akhavan Sepahi^b

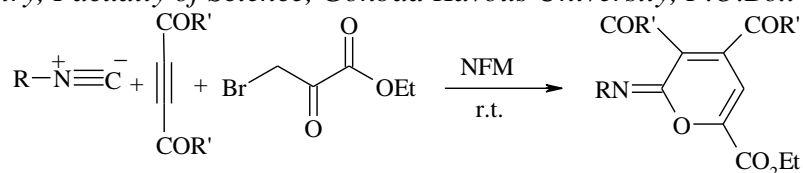
^aDepartment of Chemistry, North Tehran Branch, Islamic Azad University, P.O. Box 19585/936, Tehran, Iran

^bDepartment of Microbiology, Faculty of Science, North Tehran Branch, Islamic Azad University, Tehran, Iran

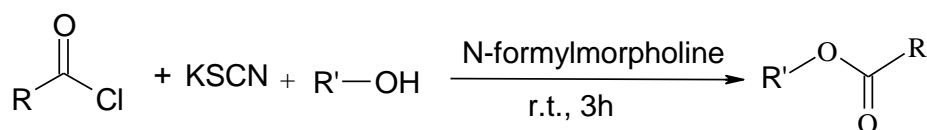


Synthesis of pyran derivatives via three component reaction of isocyanides

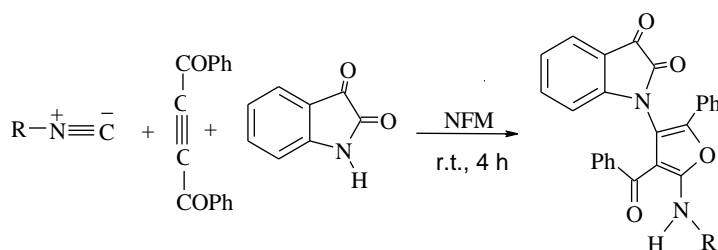
pp 2679-2684

Narges Ghasemi^{a,*} and Reza Akbari^b^a*National Petrochemical Company (NPC), petrochemical Research and Technology Company, Arak Center, Iran*^b*Department of Chemistry, Faculty of Science, Gonbad Kavous University, P.O.Box 163, Gonbad, Iran.***The esterification of alcohol using *N*-formylmorpholine as green solvent**

pp 2685-2688

Narges Ghasemi^{*a} and Zinatossadat Hossaini^b^a*National Petrochemical Company (NPC), petrochemical Research and Technology Company, Arak Center, Iran*^b*Department of Chemistry, Qaemshahr Branch, Islamic Azad University, Qaemshahr, Iran***Synthesis of functionalized furan using multicomponent reaction of isatin**

pp 2689-2693

Behnam Dehbandi^{a,*} and Shahin Shafiee^b^a*Department of Chemistry, Qaemshahr Branch, Islamic Azad University, Qaemshahr, Iran*^b*Danayan Fara Kimiya (DFK) company, Gheysar Aminpour Blv., Shahin Shahr, Isfahan, Iran.*

Faramarz Rostami-Charati^{*a,b} and Hossein Karami^c^aDepartment of Chemistry, Faculty of Science, Gonbad Kavous University, P.O.Box 163, Gonbad, Iran.^bResearch Center for Conservation of Culture Relics (RCCCR), Research institute of Cultural Heritage & Tourism, Tehran, Iran.^cDepartment of Chemistry, Qaemshahr Branch, Islamic Azad University, Qaemshahr, Iran