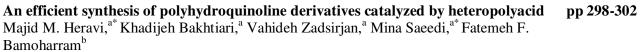
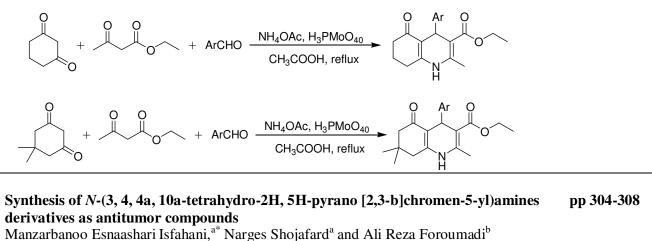
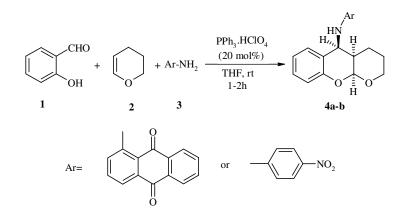
### **Iranian Journal of Organic Chemistry** IranJOC Vol.2, No.1, 2010 Contents **Graphical Abstracts** N<sup>6</sup>-Isopentenyladenosine, an isoprenoid cytokinin endowed with biological activity: pp 278-284 cytotoxicity against MDA-MB-231 breast cancer cell line and interaction with bovine serum albumin Mehdi Rajabi,<sup>\*</sup> Elena Gorincioi, Enzo Santaniello Laboratory of Chemistry and Biochemistry, Department of Medicine, Surgery and Dentistry, Faculty of Medicine, Polo Universitario S. Paolo, Università degli Studi di Milano- via A. di Rudinì, 8 - 20142 Milano, Italy. NH Cancer 100 Cell deatl OH pp 286-289 Reduction of acid chlorides using zirconium borohydride triphenylphosphine complex as a new, efficient and stable reducing agent Heshmatollah Alinezhad,<sup>\*</sup> Mahmood Tajbakhsh and Kazem Fazli Faculty of Chemistry, University of Mazandaran, Babolsar, Iran RCOCI ZrBTP, THF, reflux > RCH<sub>2</sub>OH 94-98% R = alkyl, arylQuantum mechanical calculation for determination of more stable isomer of pp 290-296 phosphorous ylide involving an indole Sayyed Mostafa Habibi-Khorassani,<sup>a</sup>\* Ali Ebrahimi,<sup>a</sup> Malek Taher Maghsoodlou,<sup>a</sup> Hojjat Ghasempour<sup>a</sup>, Majid Moradian<sup>b</sup> <sup>a</sup>Department of Chemistry, University of Sistan and Baluchestan, P. O. Box 98135-674, Zahedan, Iran <sup>b</sup>Department of Chemistry, Islamic Azad University of Ghaemshahr, Ghaemshahr, Iran ROOC COOR Ρ̈́Ρh, 4,2 a c R Me But



<sup>a</sup>Department of Chemistry, School of Sciences, Alzahra University, PO Box 1993891176, Vanak, Tehran, Iran <sup>b</sup>Department of Chemistry, Azad University of Mashhad, Mashhad, Iran



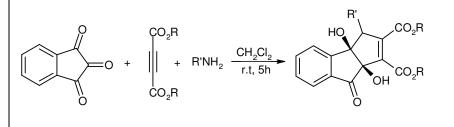
<sup>a</sup>Department of Chemistry, Islamic Azad University, North Tehran Branch, Tehran, Iran <sup>b</sup>Pharmaceutical Sciences Research Center, Medical Science University of Tehran, Tehran, Iran



### An effective synthesis of functionalized tetrahydro-4-oxoindeno[2,1-b]pyrroles

pp 310-313

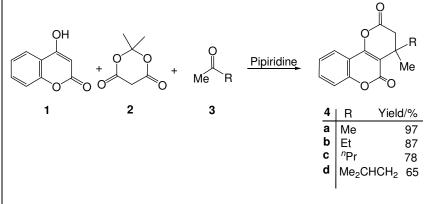
Samereh Seyfi<sup>\*</sup> and Issa Yavari Chemistry Department, Tarbiat Modares University, P.O. Box 14115-175, Tehran, Iran



### Synthesis of functionalized chromenes using ketones and aldehyds

Zinatossadat Hossaini<sup>a\*</sup> and Maryam Sabbaghan<sup>b</sup>

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# Synthesis and characterization of VPO catalysts with the different ratio of P/V in organic medium for partial oxidation of n-butane to maleic anhydride

pp 320-326

M. R. Tousi,<sup>a\*</sup> V. Mahdavi<sup>b</sup>

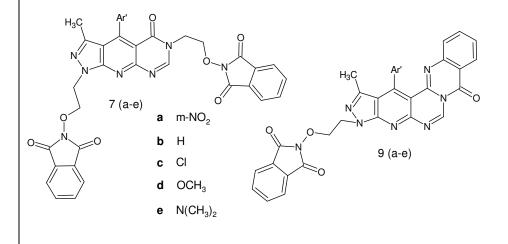
<sup>a</sup>Department of Chemistry, Islamic Azad University, Ghaemshahr Branch, Ghaemshahr, Iran <sup>b</sup>Department of Chemistry, Faculty of Science, University of Arak, Arak, Iran

In this paper, vanadium phosphorus oxide (VPO) catalysts were synthesized with the different P/V ratio (0.5, 1.0, and 2.0) in organic medium. The structure of catalysts were characterized by XRD, SEM, AA, and BET instruments. The activity and selectivity of those synthesized VPO catalysts were investigated with partial oxidation of *n*-butane to maleic anhydride.

### A convenient synthesis of *N*-ethoxyphthalimido-3-methyl-4-substitutedphenylpyrazolo [4',3':5,6]pyrido[2,3-*d*] pyrimido[6,1-b] quinazolin-10-one via Niementowski reaction

pp 328-337

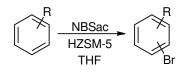
Nasir Hussain, Raja R. Dangi, Devendra K. Sain and Ganpat L. Talesara<sup>\*</sup> Synthetic Organic Chemistry Research Laboratory, Department of Chemistry, M.L. Sukhadia University, Udaipur – 313 001 (Raj.), India.



## Bromination of phenol with NBSac over synthesized zeolite as a heterogeneous recyclable catalyst

Maryam Abrishamkar,<sup>a,b</sup> Seyed Naser Azizi<sup>a\*</sup> and Hossein Kazemian<sup>c</sup> <sup>a</sup>Analytical Division, Faculty of Chemistry, University of Mazandaran, Babolsar, Iran, P.O.Box: 47416-95447.

<sup>b</sup>Department of Chemistry, Islamic Azad University, Khozestan Science and Research Branch, Ahvaz, Iran. <sup>c</sup>Department of Chemical and Biochemical Engineering, Faculty of Engineering, The University of Western Ontario, London, Ontario, Canada N6A 5B9.



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