ARKIVOC Volume 2006 Part (xi): General Papers

1. Studies on some biologically active substituted 4(3*H*)-quinazolinones. Part 1. Synthesis, characterization and anti-inflammatory-antimicrobial activity of 6,8-disubstituted 2-phenyl-3-[substituted-benzothiazol-2-yl]-4(3*H*)-quinazolinones (06-1772MP)

Sachin S. Laddha, Sudhir G. Wadodkar and Sharad K. Meghal

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received Dec 27 2005; accepted Mar 28 2006; published Apr 24 2006;

2. 1,1'-(Ethane-1,2-diyl)dipyridinium bistribromide (EDPBT) as a recyclable catalyst for acylation (06-1707FP)

Sarala Naik, Veerababurao Kavala, Rangam Gopinath and Bhisma K. Patel

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R-XH
$$X = O, S, NH$$

$$(R'CO)_2O / CH_3COCH_3$$

$$R - X$$

$$R - X$$

$$R'$$

$$Oxone^{(R)}$$

$$KBr$$

$$R - X$$

$$R'$$

$$R'$$

R = primary, secondary, aliphatic, aromatic R'=acetic, propionic, isobutyric and pivalic received Nov 1 2005; accepted Apr 11 2006; published Apr 24 2006;

3. Synthesis of 2-phenyl indoxyls (06-1832AP)

Michael C. Hewitt and Liming Shao

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HCI/MeOH
$$n = 1,2,3$$
OH
$$OH$$

received Feb 18 2006; accepted Apr 19 2006; published Apr 24 2006;

4. One-pot rapid and efficient synthesis of new spiro derivatives of 11*H*-indeno[1,2-*b*]quinoxalin-11-one, 6*H*-indeno[1,2-*b*]pyrido[3,2-*e*]pyrazin-6-one and isatin-based 2-pyrazolines (06-1791MP)

Javad Azizian, Masoud Shaabanzadeh, Farhad Hatamjafari and M. Reza Mohammadizadeh

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Ar = Ph, 4-bromophenyl, 4-chlorophenyl, 4-methoxyphenyl, 4-nitrophenyl

received Jan 13 2006; accepted Apr 17 2006; published Apr 24 2006;

5. Liquid -liquid extraction of copper (II), cadmium (II) and lead (II) using tripodal N-donor pyrazole ligands (06-1768DP)

Ibrahim Bouabdallah, Ismail Zidane,a Brahim Hacht, Rachid Touzani and Abdelkrim Ramdani

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received Dec 22 2005; accepted Apr 12 2006; published Apr 27 2006;

6. Synthesis and antimicrobial activity of succinimido(2-aryl-4-oxo-3-{[(quinolin-8-yloxy)acetyl]amino}-1,3-thiazolidin-5-yl)acetates (06-1813BP)

Maqbool Ahmed, Ranjana Sharma, Devendra P. Nagda, Jawahar L. Jat and Ganpat L. Talesara

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$$\begin{array}{c} \text{NH} & \text{NR}_1 \text{R}_2 \\ \text{CF}_3 & \text{I-4} \\ \text{I.} \ R_1 = R_2 = \text{-}(\text{CH}_2)_5\text{-}; \ \textbf{2.} \ R_1 = R_2 = \text{-}(\text{CH}_2)_4\text{-}; \\ \textbf{3.} \ R_1 = R_2 = \text{-}(\text{CH}_2)_2\text{-}\text{O-}(\text{CH}_2)_2; \\ \textbf{4.} \ R_1 = H, \ R_2 = \text{-}\text{C}(\text{CH}_3)_3 \\ \text{NH} & \text{CF}_3 \\ \text{CF}_3 & \text{S-10} & \text{CF}_3 \\ \\ \text{n} = 2, 3, 4, 5, 7, 9 \end{array}$$

received Jan 29 2006; accepted Apr 11 2006; published Apr 27 2006;

7. Synthesis of some new azoles of potential antiviral activity (06-1697JP)

Abdel-Rahman Farghaly and Hussein El-Kashef

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received Oct 20 2005; accepted Apr 18 2006; published May 3 2006;

8. Photochemistry of clobetasol propionate, a steroidal anti- inflammatory drug (06-1823EP)

Jawaid Iqbal, Anamika Gupta and Adil Husain

Full Text: PDF (125K)

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received Feb 10 2006; accepted Apr 25 2006; published May 8 2006;

9. Synthesis of novel 2-substituted 1,4-naphthoquinones using Heck reaction in Â'greenÂ' reaction media (06-1869CP)

Alka Mital, Rahul Lad, Ashish Thakur, Villendra Singh Negi and Uma Ramachandran

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received Mar 20 2006; accepted May 10 2006; published May 17 2006;

10. One-pot synthesis of pyrano[3,2-c]pyran derivatives catalyzed by KF/Al₂O₃ (06-1847HP)

Xiang-Shan Wang, Zhao-Sen Zeng, Yu-Ling Li, Da-Qing Shi and Shu-Jiang Tu

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received Mar 1 2006; accepted May 16 2006; published Jun 27 2006;

11. Synthesis of 5-O-benzyl-2-C-β-fluoromethyl-1,2,3-tri-O-acetyl- D-ribofuranose (06-1862BP)

Dirk Elend, M. Jonathan Fray and David Pryde

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received Mar 14 2006; accepted May 16 2006; published Jun 27 2006;

12. One pot synthesis of benzyltriphenylphosphonium acetates from the corresponding activated benzylic alcohols (06-1859HP)

Paola HernÃjndez, Alicia Merlino, Alejandra Gerpe, Williams Porcal, Oscar E. Piro, Mercedes GonzÃjlez and Hugo Cerecetto

Full Text: PDF (88K)

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R: electron-donating group

received Mar 13 2006; accepted May 16 2006; published Jun 27 2006;

13. Why do ethyl [2-cyano-3-(n-butylamino)acryloyl]carbamate and its analogues stay as *Z*-isomers only ? (06-1884DP)

Kuangsen Sung, Robert Sung, Michael Sung and Bo-Ren Zhuang

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received Apr 4 2006; accepted May 10 2006; published Jun 27 2006;

14. Synthesis of small cyclic peptides containing disulfide bonds (06-1863BP)

Xiao-Yan Wang, Qin Wang, Xiao-Yi Huang, Tao Wang and Xiao-Qi Yu

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received Mar 14 2006; accepted May 16 2006; published Jun 27 2006;

15. Concise synthesis of truncated pachastrissamine (jaspine B) and its enantiomer (06-1865EP)

S. Chandrasekhar, Bhoopendra Tiwari and S. Jaya Prakash

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received Mar 16 2006; accepted May 4 2006; published Jun 27 2006;

16. Oxidative methyl esterification of aldehydes promoted by molecular and hypervalent (III) iodine

(06-1887LP)

N.N. Karade, V.H. Budhewar, A.N. Katkar and G.B. Tiwari

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RCHO
$$\xrightarrow{\text{PhI}(\text{OAc})_2, I_2}$$
 $\xrightarrow{\text{RCOOMe}}$

received Apr 6 2006; accepted May 18 2006; published Jun 27 2006;

17. 4-Chlorophenyl and 2,4,6-tribromophenyl chlorothionoformates: new dealkylating agents for tertiary amines (06-1811MP)

Mahmoud Heidari and Mehdi M. Baradarani

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18. An one-pot three-component process for the synthesis of 6-amino-4-aryl-5-cyano-3-methyl-1-phenyl-1,4-dihydropyrano[2,3-c]pyrazoles in aqueous media (06-1864DP)

Tong-Shou Jin, Rui-Qiao Zhao and Tong-Shuang Li

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received Mar 16 2006; accepted Jun 22 2006; published Jun 29 2006;

19. A common route to the synthesis of 1,3,4-oxadiazole -2-thione and 1,2,4-triazole -3-thiols derivatives of trioses and pentoses as models for acyclic C-nucleosides (06-1866CP)

Mohamed Belkadi and Adil A. Othman

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5-(Tetrahydro-[1,3]dioxino[5,4-d][1,3]dioxin-4-yl)-3H-[1,3,4]oxadiazole-2-thione

received Mar 16 2006; accepted Jul 10 2006; published Aug 2 2006;

20. Synthesis and antibacterial activities of α -hydroxyphosphonates and α -acetyloxyphosphonates derived from 2-chloroquinoline-3-carbaldehyde (06-1808AP)

Rajkumar U. Pokalwar, Rajkumar V. Hangarge, Prakash V. Maske and Murlidhar S. Shingare

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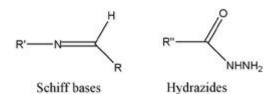
received Jan 26 2006; accepted Aug 7 2006; published Aug 23 2006;

21. Corrosion inhibitors part 3¹: quantum chemical studies on the efficiencies of some aromatic hydrazides and Schiff bases as corrosion inhibitors of steel in acidic medium (06-1857FP)

El Sayed H. El Ashry, Ahmed El Nemr, Sami A. Esawy and Safaa Ragab

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received Mar 10 2006; accepted Aug 21 2006; published Sep 6 2006;

22. Synthesis of 6-iodo / bromo- 3-amino-2-methylquinazolin-4 (3*H*)-ones by direct halogenation and their Schiff base derivatives (06-1800BP)

Mudassar A. Sayyed, Shyam S. Mokle and Yeshwant B. Vibhute

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$$N-NH_2$$
 $N-NH_2$
 $N-N+2$
 $N-$

received Jan 20 2006; accepted Jul 27 2006; published Sep 13 2006;