ARKIVOC Volume 2007 Part (xv): General Papers

1. Aluminium hydrogensulfate as an efficient and heterogeneous catalyst for preparation of aryl 14H-dibenzo[a,j]xanthene derivatives under thermal and solvent-free conditions (07-2473CP)

Hamid Reza Shaterian, Majid Ghashang and Nooshin Mir

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received Apr 19 2007; accepted May 23 2007; published May 26 2007;

2. Regioselective acylation of β-enaminones of homoveratrylamine (07-2514EP)

Iliyan Ivanov, Stoyanka Nikolova, Plamen Angelov, Stela Statkova-Abeghe and Ekaterina Kochovska Full Text: PDF (215K)

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received Apr 25 2007; accepted Jun 19 2007; published Jun 20 2007;

3. LiBr-mediated, solvent free von Pechmann reaction: facile and efficient method for the synthesis of 2*H*-chromen-2-ones (07-2452FP)

Sanjay Kumar, Anil Saini and Jagir S. Sandhu

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received Apr 3 2007; accepted Jun 25 2007; published Jun 28 2007;

4. Microwave-assisted one-pot synthesis of some dicyano- methylene derivatives of indenoquinoxaline and tryptanthrin under solvent free conditions (07-2501CP)

Javad Azizian, Mohammad R. Mohammadizadeh,Shahab Zomorodbakhsh, Ali A. Mohammadi and Ali R. Karimi

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received May 5 2007; accepted Jul 19 2007; published Jul 22 2007;

5. Application of *ortho*-acylated phenylacetic acid esters to the synthesis of 1-substituted isochromanes (07-2642HP)

Iliyan Ivanov, Stoyanka Nikolova, Ekaterina Kochovska and Stela Statkova-Abeghe

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received Jul 11 2007; accepted Sep 6 2007; published Sep 21 2007;

6. A facile access to condensed and spirosubstituted pyrimidine phosphor esters (07-2378AP)

Wafaa M. Abdou, Mounir A. I. Salem and Reham F. Barghash

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received Feb 8 2007; accepted Sep 6 2007; published Sep 21 2007;

7. Synthesis and characterization of two new triphenylphosphonium halochromates, (C₆H₅)₃PH[CrO₃X], (X=F, Br) (07-2394AP)

Shahriare Ghammamy, Kheyrollah Mehrani, Zahra Javanshir, Ali Moghimi, Fahmideh Shabaani and Saeid Maleki

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$$R_1$$
 $CH \longrightarrow OH \xrightarrow{TriPPFC \text{ or TriPPBC}} R_2$
 $C = O$

received Feb 21 2007; accepted Sep 6 2007; published Sep 21 2007;

8. QSAR analysis of some phthalimide analogues based inhibitors of HIV-1 integrase (07-2575HP)

Ruchi Bansal, C. Karthikeyan, N S Hari Narayana Moorthy and Piyush Trivedi

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received Jun 10 2007; accepted Sep 18 2007; published Sep 25 2007;

9. Selective and effective oxone-catalysed α -iodination of ketones and 1,3-dicarbonyl compounds in the solid state (07-2686UP)

Papori Goswami, Shahzad Ali, Md. Musawwer Khan and Abu Taleb Khan

Full Text: PDF (222K)

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$$R_1$$
 Oxone, iodine R_1 R_2 R_2 R_1 R_2

 $R_1 = alkyl/Ph/OR R_2 = Me/Ph/OR R = alkyl$

n=5, 6, 12

received Aug 1 2007; accepted Sep 18 2007; published Sep 25 2007;

10. Novel rearrangement in the reaction of 5-methyl-5*H*iso-indolo [2,1-α]benzimidazole with maleimide derivatives. Stereochemical and X-ray structural study (07-2480HP)

Zoia Voitenko, Volodymyr Lyaskovskyy, Jean Gérard Wolf and Joël Jaud

Full Text: PDF (364K)

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received Apr 23 2007; accepted Sep 14 2007; published Sep 26 2007;

11. Convenient synthesis of polybrominated imidazole building blocks (07-2630CP)

Constantinos Neochoritis, Constantinos A. Tsoleridis and Julia Stephanidou-Stephanatou Full Text: PDF (271K)

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received Jul 4 2007; accepted Sep 23 2007; published Sep 26 2007;

12. Synthesis, antimicrobial and QSAR studies of substituted anilides (07-2645AP)

Balasubramanian Narasimhan, Rakesh Narang, Vikramjeet Judge, Ruchita Ohlan and Sucheta Ohlan Full Text: PDF (264K)

pp. 112 - 126

received Jul 13 2007; accepted Sep 9 2007; published Sep 26 2007;

13. New promoters for the molybdenum hexacarbonyl- mediated Pauson–Khand reaction (07-

2550HP

Alexandre F. Trindade, ÂŽeljko Petrovski and Carlos A. M. Afonso

Full Text: PDF (758K)

pp. 127 - 141

received May 30 2007; accepted Sep 23 2007; published Sep 27 2007;

14. Synthesis and characterization of some novel 4-furyl substituted 3-imidazoline 3-oxides (07-

2644EP)

Ã-zden Ã-zel Güven Full Text: PDF (239K)

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received Jul 13 2007; accepted Sep 23 2007; published Sep 28 2007;

15. New access to chiral pyrrolidine and piperidine β -enamino ketones. Application to the enantioselective synthesis of (\hat{A} –)-hygroline (07-2598GP)

Corinne Vanucci-Bacqu \tilde{A} \otimes , Sandrine Calvet-Vitale, Marie-Claude Fargeau-Bellassoued and $G\tilde{A}$ \otimes rard Lhommet

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16. Red mud catalyzed one-pot synthesis of nitriles from aldehydes and hydroxylamine hydrochloride under microwave irradiation (07-2512BP)

S. Hadi Khezri, Nahal Azimi, Mehrdad Mohammed-Vali, Bagher Eftekhari-Sis, Mohammed M. Hashemi, Mohammed H. Baniasadi and Fatemeh Teimouri

Full Text: PDF (213K)

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received May 12 2007; accepted Sep 26 2007; published Oct 5 2007;

17. Preparation and characterization of some unsymmetrical **2-(dialkylamino)ethanethiols** (07-2641GP)

Jakub Stýskala, Petr Canka?, Miroslav Soural, Petr Bedná? and Karel Lemr

Full Text: PDF (250K)

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received Jul 10 2007; accepted Sep 26 2007; published Oct 11 2007;

18. Evaluation of anti-tubercular activity of nicotinic and isoniazid analogues (07-2548GP)

Maria C. S. Lourenço, Marcus V. N. de Souza, Alessandra C. Pinheiro, Marcelle de L. Ferreira, Raoni S. B. Gonçalves, Thais Cristina M. Nogueira and MÃ nica A. Peralta

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$$\begin{array}{c|c}
 & R^1 \\
 & R^2 \\
 & R^3 \\
 &$$

$$R^1 = H$$
, NO_2 ; $R^2 = H$, NO_2 ; $R^3 = H$, NO_2 , $C1$
 $R^4 = H$, NO_2 , $C1$; $R^5 = H$

 $MIC = 0.5-5.0 \,\mu / gmL$

received May 31 2007; accepted Sep 27 2007; published Oct 11 2007;

19. A facile tandem synthesis of α-benzyl benzimidazole acetonitriles (07-2584BP)

P. K. Dubey, P. V. V. Prasada Reddy and K. Srinivas

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R=H, CH₃.

received Jun 15 2007; accepted Oct 2 2007; published Oct 11 2007;

20. On the mechanism of the reaction between aryl acetates and hydroxylamine (07-2727CP)

Deise J. Mazera, José C. Gesser and Josefredo R. Pliego

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received Aug 23 2007; accepted Sep 28 2007; published Oct 11 2007;

21. Cobalt(II) and copper(II) in selective coordination of armed ligands: {[(3,5-dimethyl-1*H*-pyrazol-1-yl)methyl]amino}acetic acid and {[bis-(3,5-dimethyl-1*H*-pyrazol-1-yl)methyl]amino}acetic acid (07-2625EP)

T. Ben Hadda, H. Stoeckli-Evans, A. Kerbal, A. El Fatmi, M. Filali Baba, N. Ben Larbi, M. Daoudi and R. N. Patel

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received Jun 29 2007; accepted Sep 11 2007; published Oct 12 2007;

22. Indole alkaloid from the Red Sea sponge Hyrtios erectus (07-2708UP)

Mohamed A. Ashour, Ehab S. Elkhayat, Rainer Ebel, RuAngelie Edrada and Peter Proksch

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$$R_{1} = CH \quad R_{2} = CCH_{3}$$

$$2: R_{1} = H \quad R_{2} = CH_{2}OH$$

$$3: R_{1} = H \quad R_{2} = H$$

$$4: R_{1} = CH \quad R_{2} = H$$

$$5: R_{1} = CH \quad R_{2} = H$$

$$5: R_{1} = CH \quad R_{2} = H$$

$$6: R_{1} = CH$$

$$7: R_{2} = H$$

$$7: R_{2} = H$$

$$1: R_{1} = CH$$

$$1: R_{2} = CH$$

$$1: R_{2} = CH$$

$$1: R_{3} = CH$$

$$1: R_{4} = CH$$

$$1: R_{5} = CH$$

$$1: R_{1} = CH$$

$$1: R_{1} = CH$$

$$1: R_{1} = CH$$

$$1: R_{2} = CH$$

$$1: R_{3} = CH$$

$$1: R_{1} = CH$$

$$1: R_{1} = CH$$

$$1: R_{2} = CH$$

$$1: R_{3} = CH$$

$$1: R_{3} = CH$$

$$1: R_{4} = CH$$

$$1: R_{5} = CH$$

received Aug 13 2007; accepted Sep 6 2007; published Oct 19 2007;

23. Microwave assisted solventless synthesis of melamines with flexible aromatic substituents (07-2519MP)

Konstantin Doktorov, Vanya B. Kurteva, Diana Ivanova and Iliana Timtcheva

Full Text: PDF (313K)

pp. 232 - 245

received May 15 2007; accepted Oct 10 2007; published Oct 19 2007;

24. One-pot synthesis of novel α -amino phosphonates using tetramethylguanidine as a catalyst (07-2694HP)

M. V. Narayana Reddy, B. Siva Kumar, A. Balakrishna, C. S. Reddy, S. K. Nayak and C. D. Reddy Full Text: PDF (237K)

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received Aug 7 2007; accepted Oct 8 2007; published Oct 19 2007;

25. A novel method for the synthesis of N-sulfonyl aldimines using AlCl₃ under solvent-free conditions (SFC) (07-2570MP)

Hashem Sharghi, Mona Hosseini-Sarvari and Sakineh Ebrahimpourmoghaddam

Full Text: PDF (214K)

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$$R^{1}H + R^{2}SO_{2}NH_{2} \xrightarrow{AICI_{3}} R^{1}H + R^{2}SO_{2}NH_{2} \xrightarrow{r.t.} R^{1}H + R^{2}SO_{2}NH_{2} \xrightarrow{AICI_{3}} R^{1}H + R^{2}SO_{2}NH_{2} \xrightarrow{r.t.} R^{1}H$$

26. Indazole derivatives from substituted ylidene-*N*-phenylhydrazinecarbothioamides and benzo- as well as naphthoquinones (07-2676CP)

Alaa A. Hassan, Saeed M. Refaey and Hamdy S. Shehatta

Full Text: PDF (271K)

pp. 265 - 280

$$Ph-\overset{H}{N}-\overset{C}{C}-\overset{H}{N}-\overset{C}{N}-\overset$$

received Jul 27 2007; accepted Oct 10 2007; published Oct 19 2007;

27. Eucalyptone G, a new phloroglucinol derivative and other constituents from *Eucalyptus globulus* Labill (07-2617OP)

Gamal A. Mohamed and Sabrin R. M. Ibrahim

Full Text: PDF (211K)

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received Jun 25 2007; accepted Oct 10 2007; published Oct 23 2007;

28. Reaction of 2-hydrazino-3-methylquinoxaline with aryl-1,3-diketones: A structural reinvestigation (07-2458MP)

Ranjana Aggarwal, Garima Sumran, Rajiv Kumar and Shiv P. Singh

Full Text: PDF (241K)

pp. 292 - 302

received Mar 20 2007; accepted Oct 14 2007; published Oct 23 2007;

29. Synthesis and structural characterization of products condensation 4-carboxy-1-(4-styrylcarbonylphenyl)-2-pyrrolidinones with hydrazines (07-2709CP)

Ausra Voskiene, Vytautas Mickevicius and Gema Mikulskiene

Full Text: PDF (252K)

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a, b, c (R=H, OCH3, Br); 4a-c, 5a-c, 6a-c, 7a,b (R1=H, COCH3, Ph)

received Aug 7 2007; accepted Oct 13 2007; published Oct 23 2007;

30. Synthesis of fused quinazolinethiones and their S-alkyl/aryl derivatives (07-2739LP)

Balbir Kaur and Ramandeep Kaur

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