## ARKIVOC Volume 2007

## Part (xv): General Papers

1. Aluminium hydrogensulfate as an efficient and heterogeneous catalyst for preparation of aryl 14Hdibenzo[a,j]xanthene derivatives under thermal and solvent-free conditions (07-2473CP) Hamid Reza Shaterian, Majid Ghashang and Nooshin Mir Full Text: PDF (216K)
pp. 1-10

received Apr 19 2007; accepted May 23 2007; published May 26 2007;
2. Regioselective acylation of $\boldsymbol{\beta}$-enaminones of homoveratrylamine ( $07-2514 \mathrm{EP}$ )

Iliyan Ivanov, Stoyanka Nikolova, Plamen Angelov, Stela Statkova-Abeghe and Ekaterina Kochovska Full Text: PDF (215K)
pp. 11-17

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 2H-chromen-2-ones (07-2452FP)
Sanjay Kumar, Anil Saini and Jagir S. Sandhu

Full Text: PDF (201K)
pp. 18-23

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
Full Text: PDF (214K)
pp. 24-30


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 Full Text: PDF (262K)
pp. 31-44

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
Full Text: PDF (305K)
pp. 45-60

received Feb 8 2007; accepted Sep 6 2007; published Sep 21 2007;
7. Synthesis and characterization of two new triphenylphosphonium halochromates, $\left(\mathrm{C}_{6} \mathrm{H}_{5}\right)_{3} \mathrm{PH}\left[\mathrm{CrO}_{3} \mathrm{X}\right],(\mathrm{X}=\mathrm{F}, \mathrm{Br})(07-2394 \mathrm{AP})$
Shahriare Ghammamy, Kheyrollah Mehrani, Zahra Javanshir, Ali Moghimi, Fahmideh Shabaani and Saeid Maleki
Full Text: PDF (202K)
pp. 61-65

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 Full Text: PDF (244K)
pp. 66-81

received Jun 10 2007; accepted Sep 18 2007; published Sep 25 2007;
9. Selective and effective oxone-catalysed $\alpha$-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)
pp. 82-89




$$
\mathrm{n}=5,6,12
$$

received Aug 1 2007; accepted Sep 18 2007; published Sep 25 2007;
10. Novel rearrangement in the reaction of 5-methyl-5Hiso-indolo [2,1-a]benzimidazole with maleimide derivatives. Stereochemical and X-ray structural study (07-2480HP) Zoia Voitenko, Volodymyr Lyaskovskyy, Jean GÃ©rard Wolf and JoÃ«I Jaud Full Text: PDF (364K)
pp. 90-100


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)
pp. 101-111

1.2 eq . NBS 5 min


20 min




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 PausonÂ-Khand reaction (072550HP)
Alexandre F. Trindade, ÂŽeljko Petrovski and Carlos A. M. Afonso
Full Text: PDF (758K)
pp. 127-141



$77 \%$
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 (072644EP)
$\tilde{A}$-zden $\tilde{A}-z e l ~ G A ̃ 1 / 4 v e n ~$
Full Text: PDF (239K)
pp. 142-147

received Jul 13 2007; accepted Sep 23 2007; published Sep 28 2007;
15. New access to chiral pyrrolidine and piperidine $\beta$-enamino ketones. Application to the enantioselective synthesis of (Â-)-hygroline (07-2598GP)
Corinne Vanucci-BacquÃ®, Sandrine Calvet-Vitale, Marie-Claude Fargeau-Bellassoued and GÃ©rard Lhommet
Full Text: PDF (280K)
pp. 148-161

$n=1,2$
$\mathrm{R}=\mathrm{alkyl}$, phenyl




(-)-Hygroline
received Jun 19 2007; accepted Sep 24 2007; published Oct 3 2007;
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)
pp. 162-170

received May 12 2007; accepted Sep 26 2007; published Oct 5 2007;
17. Preparation and characterization of some unsymmetrical 2-(dialkylamino)ethanethiols (072641GP)
Jakub StÃ½skala, Petr Canka?, Miroslav Soural, Petr BednÃi? and Karel Lemr
Full Text: PDF (250K)
pp. 171-180

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. LourenÃ§o, Marcus V. N. de Souza, Alessandra C. Pinheiro, Marcelle de L. Ferreira, Raoni S. B. GonÃ§alves, Thais Cristina M. Nogueira and MÃ'nica A. Peralta
Full Text: PDF (234K)
pp. 181-191

received May 31 2007; accepted Sep 27 2007; published Oct 11 2007;
19. A facile tandem synthesis of $\alpha$-benzyl benzimidazole acetonitriles (07-2584BP)
P. K. Dubey, P. V. V. Prasada Reddy and K. Srinivas

Full Text: PDF (260K)
pp. 192-198

$\mathrm{R}=\mathrm{H}, \mathrm{CH}_{3}$.
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, JosÃ© C. Gesser and Josefredo R. Pliego
Full Text: PDF (307K)
pp. 199-214

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-1H-pyrazol-1yl)methyl]amino\}acetic acid and \{[bis-(3,5-dimethyl-1H-pyrazol-1-yl)methyl]amino\}acetic acid (072625EP)
T. Ben Hadda, H. Stoeckli-Evans, A. Kerbal, A. El Fatmi, M. Filali Baba, N. Ben Larbi, M. Daoudi and R. N. Patel
Full Text: PDF (484K)
pp. 215-224

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 Full Text: PDF (236K)
pp. 225-231


1: $\mathrm{R}_{1}=\mathrm{OH} \quad \mathrm{R}_{2}=\mathrm{OCH}_{3}$
2: $\mathrm{R}_{1}=\mathrm{H} \quad \mathrm{R}_{2}=\mathrm{CH}_{2} \mathrm{OH}$
3: $\mathrm{R}_{1}=\mathrm{H} \quad \mathrm{R}_{2}=\mathrm{H}$
4. $\mathrm{R}_{1}=\mathrm{OH} \quad \mathrm{R}_{2}=\mathrm{H}$

5: $\mathrm{R}_{1}=\mathrm{OH} \quad \mathrm{R}_{2}=\mathrm{CH}_{2} \mathrm{OH}$


8



6: $\mathrm{R}_{1}=\mathrm{OH}$
$7: \mathrm{R}_{2}=\mathrm{H}$
received Aug 13 2007; accepted Sep 6 2007; published Oct 19 2007;
23. Microwave assisted solventless synthesis of melamines with flexible aromatic substituents (072519MP)
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 $\alpha$-amino phosphonates using tetramethylguanidine as a catalyst (072694HP)
M. V. Narayana Reddy, B. Siva Kumar, A. Balakrishna, C. S. Reddy, S. K. Nayak and C. D. Reddy Full Text: PDF (237K)
pp. 246-254

received Aug 7 2007; accepted Oct 8 2007; published Oct 19 2007;
25. A novel method for the synthesis of $\mathbf{N}$-sulfonyl aldimines using $\mathrm{AlCl}_{3}$ under solvent-free conditions (SFC) (07-2570MP)
Hashem Sharghi, Mona Hosseini-Sarvari and Sakineh Ebrahimpourmoghaddam
Full Text: PDF (214K)
pp. 255-264

received Jun 10 2007; accepted Oct 10 2007; published Oct 19 2007;
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

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)
pp. 281-291

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)
pp. 303-314

$a, b, c\left(R=H, O C H_{3}, B r\right) ; 4 a-c, 5 a-c, 6 a-c, 7 a, b\left(R_{1}=H, \mathrm{COCH}_{3}, \mathrm{Ph}\right)$
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
Full Text: PDF (203K)
pp. 315-323


received Aug 29 2007; accepted Oct 3 2007; published Oct 26 2007;

