ARKIVOC Volume 2006 Part (xiii): General Papers

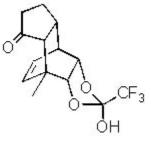
1. Synthesis and X-ray crystal structure of a cyclic hemiorthoester (06-1925DP)

Kerrie A. Austin, Martin G. Banwell and Anthony C. Willis

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Crystalline hemiorthoester accessible by treatment of either the corresponding diol or acetonide with trifluoroacetic acid



received May 15 2006; accepted Jul 10 2006; published Aug 2 2006;

2. Montmorillonite KSF and montmorillonite K-10 clays as efficient catalysts for the solventless synthesis of bismaleimides and bisphthalimides using microwave irradiation (06-1955EP)

Davood Habibi and Omid Marvi

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3. On the syntheses of dibenzosuberenone and 2,8-dimethyl-dibenzosuberenone (06-1950BP)

Joachim C. Burbiel
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received Jun 6 2006; accepted Jul 27 2006; published Aug 15 2006;

4. QSAR studies on amino-succinamic acid derivatives sweeteners (06-1967CP)

Laszlo Tarko, Irina Lupescu and Diana Constantinescu-Groposila

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R₁

NH

R₂

OH

$$R_2$$
 R_3
 R_3
 R_4
 R_4
 R_5
 R_7
 R_8
 R_8
 R_9
 R_1
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9

PRECLAV QSAR SWEETENERS PRECLAV QSAR

5. Substituent effect of camphor sulfonamide ligand on the asymmetric addition of diethylzinc to aldehyde (06-1947LP)

Ai-Ling Hui, Jin-Tang Zhang and Zhi-Yong Wang

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RCHO + Et₂Zn
$$\frac{L^* (0.2 \text{ equiv.}) / \text{ toluene}}{\text{Ti}(O^i Pr)_4 (1.3 \text{ equiv.})}$$
 RCHO + Et₂Zn $\frac{L^* (0.2 \text{ equiv.}) / \text{ toluene}}{\text{Ti}(O^i Pr)_4 (1.3 \text{ equiv.})}$ Rup to 83%ee

received Jun 5 2006; accepted Aug 3 2006; published Aug 17 2006;

6. Tetramethylfluoroformamidinium hexafluorophosphate (TFFH)/benzyltriphenylphosphonium dihydrogen trifluoride (PTF): a unique reagent for the conversion of carboxylic acids to the corresponding alcohols as well as hydroxamic acids (06-1960JP)

Ayman El-Faham, Sherine N. Khattab and Mohamed Abdul-Ghani

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received Jun 17 2006; accepted Aug 3 2006; published Aug 17 2006;

7. Microwave-assisted synthesis of curcumin analogs (06-1921KP)

Christie E. Nichols, Dani Youssef, Robert G. Harris and Amitabh Jha

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pp. 64 - 72

received May 8 2006; accepted Aug 7 2006; published Aug 23 2006;

8. QSAR studies on structurally similar 2-arylidene-4-(4-phenoxy -phenyl) but-3-en-4-olides as anti-inflammatory agents (06-1927LP)

Balasubramanian Narasimhan, Meena Kumari, Avinash Dhake and Chandrasekaran Sundaravelan Full Text: PDF (218K)

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received May 15 2006; accepted Aug 3 2006; published Aug 23 2006;

9. Synthetic studies on some 3-[(5-arylidene-4-oxo-1,3-thiazolidin-2-yliden)amino]-2-phenylquinazolin-4(3H)-ones and their ethoxyphthalimide derivatives (06-1945MP)

Usha Ameta, Swati Ojha, Dinesh Bhambi and Ganpat L. Talesara

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received Jun 5 2006; accepted Aug 6 2006; published Aug 24 2006;

10. Itineraries of enzymatically and non-enzymatically catalyzed substitutions at O-glycopyranosidic bonds (06-1985DP)

Wim Nerinckx, Tom Desmet and Marc Claeyssens

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received Jul 4 2006; accepted Aug 21 2006; published Aug 30 2006;

11. Diastereoselective synthesis of phosphonato esters by reaction between triphenylphosphite and acetylenic esters in the presence of NH-acid compounds (06-1966BP)

Malek T. Maghsoodlou, Nourollah Hazeri, Sayyed M. Habibi-Khorassani, Lotfali Saghatforoush, Mohammad K. Rofouei and Mojtaba Rezaie

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$$(PhO)_{3}P + C + Z - H$$

$$CO_{2}R$$

$$R= Me, Et$$

received Jun 22 2006; accepted Aug 23 2006; published Aug 30 2006;

12. Synthesis and characterization of chloromaleimidobenzenesulfonylhydrazones (06-1969DP)

Luciano Luiz Silva, Kely Navakoski de Oliveira and Ricardo José Nunes

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R =
$$-C_8H_5$$
 (5)
R = $-C_6H_4$ -p-OH (6)
R = $-C_6H_4$ -p-NO₂ (7)
R = $-C_6H_4$ -m-NO₂ (8)
R = $-C_6H_4$ -p-N(CH₃)₂ (9)
R = $-C_6H_4$ -p-N(CH₃)₂ (9)
R = $-C_6H_4$ -p-N(CH₃)₂ (11)
R = $-C_6H_4$ -p-N(CH₃)₂ (12)

received Jun 23 2006; accepted Aug 24 2006; published Aug 30 2006;

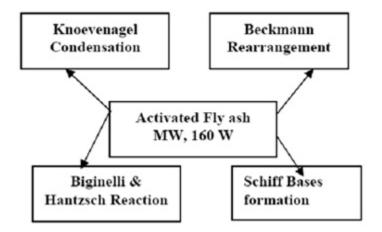
13. A simplified green chemistry approaches to organic synthesis in solid media. Activated fly ash, an industrial waste (pollutant) as an efficient and novel catalyst for some selected organic reactions in

solvent-free conditions under microwave irradiation (06-1965AP)

M. Gopalakrishnan, P. Sureshkumar, V. Kanagarajan, J. Thanusu and R. Govindaraju

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received Jun 21 2006; accepted Aug 22 2006; published Aug 31 2006;

14. Microwave promoted novel synthesis of indenols catalyzed by SiO₂ in dry media (06-1929MP)

P. Bhaskar Reddy, Parvinder Pal Singh, , Sanghapal D. Sawant, S. Koul, S. C. Taneja and H. M. Sampath Kumar

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received May 18 2006; accepted Sep 4 2006; published Sep 11 2006;

15. Functionally substituted arylhydrazones as building blocks in heterocyclic synthesis: routes to pyridazines and pyridazinoquinazolines (06-1974EP)

Said Ahmed Soliman Ghozlan, Ismail Abdelshafy Abdelhamid and Mohamed Hilmy Elnagdi

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received Jun 27 2006; accepted Sep 5 2006; published Sep 12 2006;

16. A convenient synthesis of novel substituted imidazo[1,2-a][1,5]benzodiazepine derivatives (06-1951CP)

Lidija Kosychova, Lina Pleckaitiene, Zita Staniulyte, Regina Janciene, Algirdas Palaima and Benedikta D. Puodziunaite

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$$\begin{array}{c} H \\ O \\ R^{2} \\ CICH_{2}COCH_{3} \text{ or } \\ B_{7}CH_{2}COC_{0}H_{5} \end{array}$$

$$\begin{array}{c} H \\ N \\ R^{2} \\ R^{$$

17. Synthesis and antibacterial activity of new 2-aryloxy-6-bromo-3-(4-chlorophenyl)-3,4-dihydrobenzo[e][1,3,2]oxazaphosphinine2-oxides (06-1957FP)

Gandavaram Syam Prasad, Boppudi Hari Babu, Kachi Reddy Kishore Kumar Reddy, Pallam Reddy Haranath and Cirandur Suresh Reddy

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received Jun 12 2006; accepted Sep 14 2006; published Sep 19 2006;

18. Zinc montmorillonite as a reusable heterogeneous catalyst for the synthesis of **2,3**-dihydro-**1***H*-**1,5**-benzodiazepine derivatives (06-1998FP)

Ravi Varala, Ramu Enugala and Srinivas R. Adapa

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Supplementary Material: PDF (105K)

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$$R^{1} \longrightarrow NH_{2} \qquad + \qquad 0 \qquad R^{4} \qquad \frac{Zn^{2} + mont}{\text{no solvent}} \longrightarrow R^{1} \longrightarrow N \longrightarrow R^{3}$$

$$1a - f \qquad 2a - i \qquad R^{3} \longrightarrow R^{4}$$

received Jul 11 2006; accepted Sep 4 2006; published Nov 7 2006;

19. Investigation of the basic catalytic activity of natural phosphates in the Michael condensation (06-1933BP)

Mohamed Zahouily, Bahija Mounir, Hind Charki, Abdessamad Mezdar, Bouchaib Bahlaouan and Mohamed Ouammou

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pp. 178 - 186

received May 21 2006; accepted Oct 27 2006; published Nov 24 2006;

20. Preparation of novel 5-alkoxy-1,1,1,2,2-pentafluoroalk-4-en-3-ones and their application to a one-pot synthesis of azoles (06-1996EP)

Marcos A. P. Martins, Claudio M. P. Pereira, Sidnei Moura, Gabriela F. Fiss, Clarissa P. Frizzo, Daniel J. Emmerich, Nilo Zanatta and Helio G. Bonacorso

Full Text: PDF (62K)

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$$R^2$$
 OR
 i
 OR

i: (F5C2CO)2O, 0 C, pyridine, CCl4, 24 h ii: NH2OH•HCl/ pyridine, H2O, 40 C, 24 h iii: CH3NHNHCH3•2HCl, EtOH, 75 C, 5 h iv: NH2NHPh, EtOH, 75 C, 16 h.

received Jul 10 2006; accepted Nov 18 2006; published Nov 24 2006;