#### **ARKIVOC Volume 2007**

### Part (iii): Commemorative Issue in Honor of Prof. Dr. Ernst Anders on the occasion of his 65th anniversary

Facilitator: Rainer Beckert Scientific Editor: Alan P. Marchand

#### 1. A Tribute to Prof. Ernst Anders (EA-1415DT)

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accepted Feb 3 2006; published Feb 18 2006;

#### 2. C-Cyanation with 1-cyanobenzotriazole (EA-1851DP)

Alan R. Katritzky, Rufine Akue-Gedu and Anatoliy V. Vakulenko

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received Mar 7 2006; accepted Apr 3 2006; published Apr 14 2006;

# 3. Task-specific ionic liquid technology applied to the synthesis of Biginelli 3,4-dihydropyrimidine-2(1*H*)-ones: A three-component condensation protocol based on ionic liquid phase bound acetoacetate (EA-2010DP)

Jean Christophe Legeay, Jean Jacques Vanden Eynde, Loic Toupet and Jean Pierre Bazureau Full Text: PDF (356K)

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Me N 
$$\stackrel{\bigoplus}{N}$$
  $\stackrel{\bigoplus}{N}$   $\stackrel{\bigoplus}{N}$ 

received Jul 17 2006; accepted Sep 1 2006; published Sep 23 2006;

#### 4. Re-examination of a versatile hydantoins synthesis (EA-1914DP)

Nosrat O. Mahmoodi and Ziba Khodaee

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### 5. Enantio-, regio-, and chemoselective reduction of aromatic $\alpha$ -diketones by bakerÂ's yeast in diverse organic-water solvent (EA-2081DP)

N. O. Mahmoodi and M. Noori Navrood

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### 6. Diels-Alder cyclo addition reactions of 1,1-dichloro-2,3,4,5-tetraethylgermole and 1-chloro-2,3,4,5-tetraethylphosphole with maleic acid anhydride and maleimide (EA-1992DP)

Matthias Westerhausen, Brigitte Stein, Manfred W. Ossberger, Helmar Görls, Juan Carlos Galvez Ruiz, Heinrich Nöth and Peter Mayer

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The Diels-Alder reaction of chlorophosphol yields the expected endo-cycloaddition product shown in the picture (P violet, Cl orange, O red, C black). However, the exchange of the PCl moiety against a GeCl<sub>2</sub> fragment leads to a subsequent cycloaddition reaction and the elimination of GeCl<sub>2</sub>.

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## **7. Novel Schiff bases derived from 5-aminobarbituric acid: synthesis and solid state structure** (EA-1952DP)

Ina Bolz, Claudia May and Stefan Spange

Full Text: PDF (261K)

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$$0 = \bigvee_{\substack{N \\ N^2}} O = \bigvee_{\substack{N \\ OH}} O = \bigvee_{\substack{$$

	Schiff base	Schiff base
	$R^3 = NO_2$	$R^3 = N(CH_3)_2$
$R^1 = R^2 = CH_3$	2 a	3a
$R^1 = H, R^2 = n \cdot C_4 H_9$	2b	3b

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#### 8. Cycloaminals of trichloroacetaldehyde: synthesis and their use as carbene-precursors (EA-2094DP)

Christiane Petzold, Rainer Beckert, Wolfgang Gýnther and Helmar GÃ $\P$ rls

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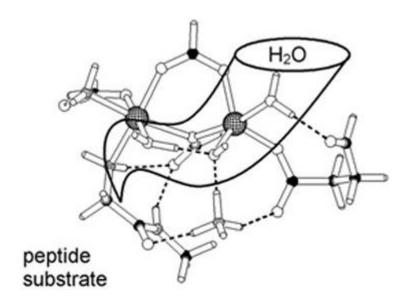
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#### 9. On the origin of the broad-band selectivity of bovine-lens-leucine-aminopeptidase (EA-2086DP)

Elke Jaime, Stefan Kluge and Jennie Weston

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# 10. From a three-component synthesis to multistep cascade reactions. Twenty years of chemistry of *N*-(1-haloalkyl)azinium halides (EA-2138DR)

Jean Jacques Vanden Eynde and Annie Mayence

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### 11. Synthesis and reactivity of 3-(dialkylamino)allenyl phosphonium salts. PPh<sub>3</sub>-mediated synthesis of pyrroles from propyne iminium triflates (EA-2247DP)

Sigrid Espenlaub, Holger Gerster and Gerhard Maas

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$$R_2N^+$$
 $R^2$ 
 $R^1$ 
 $TfO$ 
 $R^2$ 
 $R^1$ 
 $R^2$ 
 $R^2$ 

received Nov 7 2006; accepted Nov 21 2006; published Jan 14 2007;

## **12.** A novel and efficient synthesis of trivalent 9,10-dihydro-9-oxa-10-phosphaphenanthrene-10-oxide derivatives (EA-2253DP)

Johannes Artner, Michael Ciesielski, Martin Ahlmann, Olaf Walter and Manfred Döring

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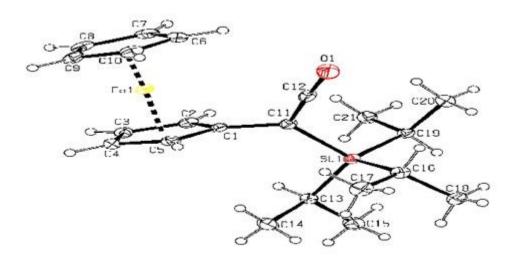
#### 13. First preparation and isolation of a stable ferrocenylketene (EA-2293DP)

Nanyan Fu, Annette D. Allen and Thomas T. Tidwell

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Supplementary Material: PDF (94K)

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# **14.** Zinc(II)-pyridine-2-carboxylate / 1-methyl-imidazole: a binary catalytic system for in the synthesis of cyclic carbonates from carbon dioxide and epoxides (EA-2262DP)

Thomas A. Zevaco, Annette Janssen and Eckhard Dinjus

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$$[Zn Cat]$$

$$R_1 \longrightarrow R_2 + CO_2 \longrightarrow R_1 \longrightarrow R_1 \longrightarrow R_2$$

$$R_1 \longrightarrow R_2 \longrightarrow R_1 \longrightarrow R_2$$

received Nov 15 2006; accepted Jan 14 2007; published Mar 4 2007;

# **15.** Dehydrogenation of ocimene by active carbon: artefact formation during headspace sampling from leaves of *Phaseolus lunatus* (EA-2358DP)

Mesmin Mekem Sonwa, Christian Kost, Anja Biedermann, Robert Wegener, Stefan Schulz and Wilhelm Boland

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