#### **ARKIVOC Volume 2002**

# Part (ii): Commemorative Issue in Honor of Prof Costin Nenitzescu on the occasion of his 100th anniversary

Scientific Editor: Mikael Begtrup

### 1. A Tribute to Prof. C.D. Nenitzescu (CN-461AT)

Mircea D. Banciu
Full Text: PDF (125K)

pp. 1 - 6

accepted Feb 20 2002; published Feb 28 2002;

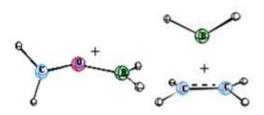
### 2. Reactions of superelectrophilic BH<sub>2</sub>+, BCl<sub>2</sub>+ and AlCl<sub>2</sub>+ with carbonyl compounds and alkenes<sup>1</sup> (CN-

206AP)

George. A. Olah, G. K. Surya Prakash and Golam Rasul

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### 3. Flow-vacuum pyrolysis of 5*H*-10,11-dihydro-dibenzo[*a*,*d*]-cyclohepten-5-ol and 5-hydroxymethyl-5*H*-dibenzo[*a*,*d*]-cycloheptene (CN-233AP)

Mircea D. Banciu, Angela Popescu, Luminitza Parvulescu, Cristina Costea, Constantin Draghici, Crinu Ciuculescu and Dan Mihaiescu

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# **4.** New N-bridgehead heterocyclic compounds. I. Carbamoyl-substituted indolizines and benzoindolizines (CN-290AP)

Emilian Georgescu, Florentina Georgescu, Mariana G. Danila, Petru I. Filip, Constantin Draghici and Miron T. Caproiu

Full Text: PDF (252K)

pp. 30 - 45

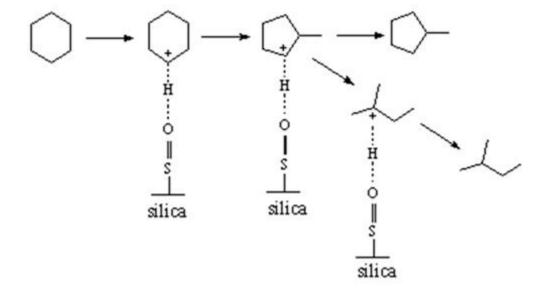
$$\begin{array}{c} R^{1} \\ N \end{array} + XH_{2}C - CHN \xrightarrow{R^{2}} R^{3} \xrightarrow{R^{2}} H_{2}\dot{C} - CNH \xrightarrow{R^{3}} R^{2} \\ & \ddot{O} \end{array}$$

received Aug 23 2001; accepted Nov 25 2001; published Dec 3 2001;

### 5. Isomerization of cyclohexane and hexane over silica- embedded triflate derivative catalysts (CN-296AP)

B. C. Gagea, A. N. Pârvulescu, V. I. Pârvulescu, V. Pârvulescu, P. Grange and G. Poncelet Full Text: PDF (147K)

pp. 46 - 55



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### 6. N-Substituted derivatives of ε-caprolactam and their thermal and chemical behavior (CN-264AP)

Flavian Cuiban, Ion Bolocan and Eugen Barbu

Full Text: PDF (103K)

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$$R = CH_3$$
,  $C_2H_6$ ,  $CH_2=CH\cdot CH_2$ ,  $nC_3H_7$ ,  $iC_3H_7$ ,  
 $nC_4H_6$ ,  $iC_4H_6$ ,  $nC_6H_{11}$ ,  $iC_6H_{11}$ ,  $C_6H_6CH_2$ ,  $CH_2CH_2$   $CN$ .

received Jul 16 2001; accepted Feb 28 2002; published Mar 8 2002;

# 7. Aminoketone, oxazole and thiazole synthesis. Part 15.<sup>1</sup> 2-[4-(4-halobenzenesulphonyl)-phenyl]-5-aryloxazoles (CN-312AP)

Iosif Schiketanz, Constantin Draghici, Ioana Saramet and Alexandru T. Balaban

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$$X \xrightarrow{O \quad H} CH_2 \xrightarrow{POCl_3/CH_2Cl_2} X$$

$$Q \xrightarrow{CH_2} R$$

X=4Hal-C <sub>6</sub>H<sub>4</sub>-SO<sub>2</sub>-R=Phenyl 4Me, 2,4-dimethyl and 2,4,6-trimethyl

received Sep 14 2001; accepted Mar 21 2002; published Mar 29 2002;

#### **8. Diazinium carbalkoxy methylides** (CN-335AP)

Ionel I. Mangalagiu, Maria C. Caprosu, Geanina C. Mangalagiu, Gheorghita N. Zbancioc and Magda Ghe. Petrovanu

Full Text: PDF (135K)

pp. 73 - 79

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#### 9. Steric effects on the sydnones reactivity. New sydnones and pyrazoles (CN-295AP)

Florea Dumitrascu, Carmen Irena Mitan, Denisa Dumitrescu, Constantin Draghici and Miron Teodor Caproiu

Full Text: PDF (178K)

pp. 80 - 86

Br 
$$\stackrel{\text{CH}_3}{\stackrel{\text{R}^2}{\stackrel{\text{N}}{\longrightarrow}}} \circ$$
  $\stackrel{\text{DMAD}}{\stackrel{\text{DMAD}}{\stackrel{\text{DMAD}}{\longrightarrow}}} \circ$   $\stackrel{\text{CH}_3}{\stackrel{\text{R}^2}{\longrightarrow}} \circ$   $\stackrel{\text{CO}_2\text{Me}}{\stackrel{\text{CO}_2\text{Me}}{\longrightarrow}} \circ$   $\stackrel{\text{R}^1 = \text{H}, \text{Br}}{\stackrel{\text{R}^2 = \text{H}, \text{Cl}, \text{Br}, \text{I}}} \circ$ 

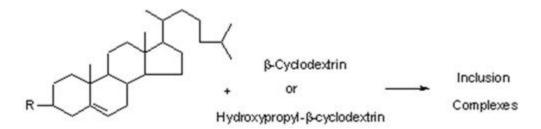
received Aug 27 2001; accepted Apr 1 2002; published Apr 9 2002;

# 10. Inclusion complexes of steroidal heterocyclic compounds with cyclodextrins in aqueous solution and in the solid state (CN-292AP)

Carmen Topala, Gabriela Ionita, Viorica Meltzer, Elena Pincu and Constantin Draghici

Full Text: PDF (180K)

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### 11. Thermal reactions of aromatic hydrocarbons in the pyrolysis of ethane and propane (CN-263AP)

Roman Dimitriu and Flavian Cuiban

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### 12. Electron transfer vs. heterolytic reactions. Behaviour of N-benzyl aziridine towards (aqua)<sub>x</sub>Cu<sup>II</sup> and batho<sub>2</sub>Cu<sup>II</sup> ions (CN-196AP)

Constantin Drãghici, Cristina Florea, Carlo Galli, Aurica Petride and Horia Petride

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$$R-N$$
  $\xrightarrow{ET}$   $R-N$   $N-R$   $+Ph-CHO+$   $R$   $N$   $N$   $R$ 

received Apr 17 2001; accepted Jun 20 2002; published Jun 28 2002;

#### 13. Scavenging the hydroxyl radical by 2,2-diphenyl-1-picrylhydrazyl (CN-291AP)

Elena N. Hristea, Mihaela Hillebrand, Miron T. Caproiu, Horia Caldararu, Titus Constantinescu and Alexandru T. Balaban

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pp. 123 - 132

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14. Facile bromination of the benzene ring during the cyclisation of the 1*H*-3-methyl-4-ethoxycarbonyl-5-arylidenehydrazonopyrazoles to the 3-substituted-aryl-1*H*-6-methyl-7-ethoxycarbonyl--pyrazolo[3,2-c]-s-triazoles (CN-318AP)

Carol Csunderlik, Vasile Bercean, Francisc Peter and Valentin Badea

Full Text: PDF (105K)

pp. 133 - 141

$$H_{3}C \longrightarrow H_{3}C \longrightarrow H$$

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### **15. 1,1'-Biazulene derivatives. Syntheses and reactions** (CN-265AP)

Alexandru C. Razus, Liviu Birzan, Stefania Nae, Carmen Nitu, Victorita Tecuceanu and Valentin Cimpeanu Full Text: PDF (79K)

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