#### **ARKIVOC Volume 2002**

#### Part (iii): Commemorative Issue in Honor of Dr. Douglas Lloyd on the occasion of his 80th anniversary

Facilitators: Hamish McNab and R Alan Aitken Scientific Editor: G. S. R. Subba Rao

#### 1. A Tribute to Douglas Lloyd (DL-454GT)

J. F. Gibson, R. K. Mackie and D. R. Marshall

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accepted Dec 30 2001; published Jun 26 2005;

### 2. Novel syntheses of polynitroaromatic compounds by reversed-dipole (Â'UmpolungÂ') nitrations¹

(DL-266GP)

Ross W. Millar, Robert P. Claridge, John P. B. Sandall and Claire Thompson

Full Text: PDF (155K)

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#### 3. The synthesis of 5-fluorokynurenine and 6-fluorokynurenic acid as metabolic probes (DL-269GP)

Karen M. Muirhead and Nigel P. Botting

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received Jul 17 2001; accepted Jan 2 2002; published Jan 10 2002;

#### **4.** Regiocontrol in the $\alpha$ , $\alpha$ -dialkylation of ketones (DL-330GP)

Alan R. Katritzky, Zuoquan Wang, Yu Ji and Yunfeng Fang

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$$R^1$$
 $R^2$ 
 $R^3$ 
 $R^3$ 
 $R^4$ 
 $R^4$ 
 $R^4$ 
 $R^4$ 
 $R^4$ 
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received Oct 25 2001; accepted Jan 10 2002; published Jan 18 2002;

## 5. On the preparation of cyclopentadienes by a novel homolytic annulation of but-3-en-1-ones with alkynes mediated by samarium diiodide (DL-230GP)

Andrew J. McCarroll and John C. Walton

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#### 6. A synthetic and NMR conformational study of spiro cyclic quaternary ammonium salts (DL-259GP)

R. Alan Aitken, Eilidh F. Philp, Frank G. Riddell and Melanja H. Smith

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#### 7. Flash vacuum pyrolysis of oxazolidine-2,4-diones (DL-260GP)

R. Alan Aitken and Andrew W. Thomas

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# 8. Aspects of heterocyclisation reactions mediated by nucleophilic interaction of aromatic nitro groups with ortho heterocumulene side chains (DL-282GP)

Kevin J. Duffy, George Tennant, Christopher J. Wallis and George W. Weaver

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[HET = aromatic or heteroaromatic nucleus]

received Aug 7 2001; accepted Jan 15 2002; published Jan 23 2002;

#### 9. The interaction of 1,4-diketones with thiazyl chloride (NSCI) (DL-321GP)

Sean M. Laaman, Otto Meth-Cohn and Charles W. Rees

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### **10.** Thermolysis of polyazapentadienes. Part **12.**<sup>1</sup> The **1,1**-dialkyl-5-aryl-**1,3,5**-triazapentadiene problem (DL-285GP)

Hamish McNab and M. Elizabeth-Ann Murray

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#### 11. Conversion of iminium salts and benzylhydrazones into aromatic azines (DL-271GP)

Alistair M. Stephen, Theunis G. D. van Schalkwyk and Neil Ravenscroft

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$$\bigcap_{R} \bigcap_{C} \bigcap_{R} \bigcap_{R$$

received Jul 20 2001; accepted Jan 29 2002; published Feb 6 2002;

#### 12. Synthesis and structure optimization of double (fluorescent and spin) sensor molecules (DL-297GP)

TamÃis KÃilai, Olga H. Hankovszky, Éva Hideg, József Jeko and KÃilmÃin Hideg

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13. Nitrile sulfides. Part 12.<sup>1,2</sup> Generation of nitrile sulfides from 1,4,2-dithiazol-5-ones (DL-323GP)

John Crosby, Keith J. Grant, Derek. J. Greig, R.Michael Paton, John G. Rankin and John F. Ross

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### **14.** Thermal and photochemical reactivity of β,γ-unsaturated oximes in the presence of SnCl<sub>4</sub> (DL-238GP)

William M. Horspool, George Hynd and Ulrich Ixkes

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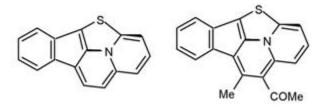
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#### 15. Preparation of 4-thia-10b-azaindeno[2,1,7-lma]fluorenes (DL-299GP)

David H. Reid and (the late) John G. Dingwall

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#### 16. Lipid science and lipid commerce (DL-228GP)

Frank Gunstone
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received May 30 2001; accepted Feb 27 2002; published Mar 7 2002;

# 17. Synthesis of a protected 2-ethoxy-3-hydroxyethylfuran and its regioselectivity as a DielsÂ-Alder diene on reaction with 3,5-dimethoxydehydrobenzene (DL-267GP)

Robin G.F. Giles and C. Peter Taylor

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#### 18. Condensation of 2-hydroxy-2'-aminoacetophenone to form a dihydropyrazine (DL-278GP)

Anthony R. Butler and Elaine H. Brown

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## **19.** Phosphonium tosylates as solvents for the Diels–Alder reaction with **1,3**–cyclopentadiene (DL-287GP)

Petra Ludley and Nazira Karodia

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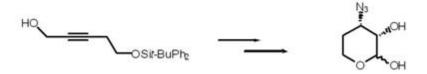
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#### 20. Asymmetric synthesis of azidotetrahydropyranols via Sharpless epoxidation (DL-279GP)

Quyen Ong, Sheetal Handa, Antonio Mete, Alison M. Hill and Keith Jones

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# 21. Synthesis and a study of the $^{13}$ C NMR spectroscopic properties of positional isomers of some $C_{18}$ acetylenic thia fatty esters (DL-288GP)

Marcel S.F. Lie Ken Jie, Oladapo Bakare and Maureen M.L. Lau

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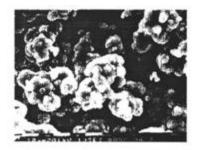
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#### **22.** Sonoelectrochemistry Â- the application of ultrasound to electrochemical systems (DL-342GR)

David J. Walton

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Effect of ultrasound (800kHz) on polypyrrole electrodeposition lefthand figure silent (SEM 1000x), righthand insonated (SEM 4000x).

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