ISSN 0300-9580 JCPKBH(7) 1397–1716(1994)

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions 2

Physical Organic Chemistry

CONTENTS

Perkin Communications

Articles

AUTHOR INDEX

NOTE: An asterisk in the heading of each paper indicates the author who is to receive any correspondence.

Forthcoming Articles in *Perkin Transactions 2*

Kinetic and structural EPR studies of radical polymerization. Monomer, dimer, trimer and mid-chain radicals formed *via* the initiation of polymerization of acrylic acid and related compounds with electrophilic radicals ($^{\cdot}OH$, $SO_4^{\cdot-}$ and $Cl_2^{\cdot-}$)
B. C. Gilbert, J. R. Lindsay Smith, E. C. Milne, A. C. Whitwood and **P. Taylor**

Effects of organization of zinc porphyrin hosts on binding enhancements and recognition of axial ligands **H. Imai** and **Y. Uemori**

New organic polymer precursors: synthesis and electronic structure of thienylpyridines and thienylethynylpyridines
I. Novak, S.-C. Ng, C.-Y. Mok, H.-H. Huang, J. Fang and **K. K.-T. Wang**

Deacylation of 2-*N*-isobutyryl- and 2-*N*-isobutyryl-6-*O*-methyl-2′-deoxyguanosine in the condensed and gas phase. A kinetic investigation **A. Liguori, A. Napoli, C. Siciliano** and **G. Sindona**

Chiral recognition by cyclodextrins: the interaction of naringin with β-cyclodextrin **I. J. Colquhoun** and **B. J. Goodfellow**

Racemic compound formation–conglomerate formation. Part 1. Structural and thermoanalytical study of hydrogen malonate, hydrogen phthalate and hydrogen succinate of α-phenylethylamine **D. Kozma, Z. Böcskei, K. Simon** and **E. Fogassy**

Reactivity of 2-substituted cyclohex-1-enylacetic acids with diazodiphenylmethane in various alcohols
G. S. Ušćumlić and **M. D. Muškatirović**

Anchimeric assistance by the acetoxy group in solvolysis of the compounds $(Me_3Si)_2C(SiMe_2OCOMe)(SiMe_2X)$, X = Cl, NCS or N_3 **C. Eaborn, P. D. Lickiss** and **A. D. Taylor**

Fine structure of 5,10,15,20-tetrakis(*m*-hydroxyphenyl)chlorin (*m*-THPC): a ^1H, ^{13}C and ^{15}N NMR study
R. Bonnett, B. D. Djelal, G. E. Hawkes, P. Haycock and **F. Pont**

Hydrogen bonding. Part 34. The factors that influence the solubility of gases and vapours in water at 298 K, and a new method for its determination **M. H. Abraham, J. Andonian-Haftvan, G. S. Whiting, A. Leo** and **R. W. Taft**

The use of chemical probes for the characterization of solvent mixtures. Part 2. Aqueous mixtures **Y. Marcus**

Photoelectrochemistry with quinone radical anions—photoassisted reduction of halobenzenes and carbonyl compounds
P. K. J. Robertson and **B. R. Eggins**

Ergogaline, a new ergot alkaloid, produced by *Claviceps purpurea*: isolation, identification, crystal structure and molecular conformation **L. Cvak, A. Jegorov, P. Sedmera, V. Havlíček, J. Ondráček, M. Hušák, S. Pakhomova, B. Kratochvíl** and **J. Granzin**

Role of triple ion formation in the acid–base reaction between tropolone and triethylamine in acetonitrile
M. Hojo, H. Hasegawa and **H. Yoneda**

Preparation, reactivity, NMR properties and semiempirical MNDO/PM3 structural calculations of 2-azido- and 3-azido-selenophene
S. Gronowitz and **P. Zanirato**

^1H and ^{15}N NMR studies of *N*-substituted-*N*′-cyanoguanidines **I. D. Cunningham, N. C. Wan** and **B. G. Cox**

Stereochemical differentiation of isomeric trinorbornane-2,3- and trinorbornane-2,5-diols by chemical ionization mass spectrometry
T. Partanen, M. Pykäläinen, H. Hulkkonen, O. Savolainen and **P. Vainiotalo**

Physicochemical properties of mixed anionic–non-ionic micelles: effects on chemical reactivity
L. Freire, E. Iglesias, C. Bravo, J. R. Leis and **M. E. Peña**

Theoretical study on the mechanism of ester hydrolysis in micellar catalysis using model systems
K. Hori, A. Kamimura, J. Kimoto, S. Gotoh and **Y. Ihara**

Synthesis, surface active properties and antimicrobial activity of new bis quaternary ammonium compounds
M. Diz, A. Manresa, A. Pinazo, P. Erra and **M^{a}R. Infante**

A spectrophotometric method for the determination of equilibrium constants of the reversible 1,4-benzodiazepine ring-opening reaction
L. B. Pfendt and **G. V. Popivić**

Ab Initio Study of heterodienophile addition to oxazole **B. S. Jursic** and **Z. Zdravkovski**

Linear oligopeptides. Part 316. Conformational characterization of syndiotactic homo-peptides from $C^{\alpha,\alpha}$-disubstituted glycines
M. Crisma, F. Formaggio, M. Pantano, G. Valle, G. M. Bonora, C. Toniolo, H. E. Schoemaker and **J. Kamphuis**