ISSN 0300-9580 JCPKBH(9) 1715–1830(1995)

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions 2

Physical Organic Chemistry

CONTENTS

Perkin Communications

Articles

Corrigenda

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*

Mechanism of base catalysis in the reactions of phenyl aryl ethers with aliphatic amines in dimethyl sulfoxide
R. A. Chamberlin and **M. R. Crampton**

Nucleophilic coupling of alkali 2-naphthoxides with 1-bromo-2-naphthols. Ion-pairing and halogen dance in the formation of 1,1'-binaphthalene-2,2'-diols **M. Bělohradský, P. Holý** and **J. Závada**

Kinetics of the iron porphyrin catalysed oxidation of cyclohexene with substituted iodosylbenzenes **G. J. Harden**

Sugar-induced conformational changes in boronic acid-appended poly(L- and D-lysine)s and sugar-controlled orientation of a cyanine dye on the polymers **T. Kimura, S. Arimori, M. Takeuchi, T. Nagasaki** and **S. Shinkai**

Photoinduced benzylation of 1,4-dimethoxynaphthalene by benzyl halides
A. Albini, E. Siviero, M. Mella, C. Long and **A. C. Pratt**

Photophysics of enediones **L. H. Catalani, V. G. Toscano** and **I. P. de Arruda Campos**

Intramolecular hydrogen bonding and tautomerism of acylpyran-2,4-diones, -2,4,6-triones and acylpyridinediones and benzannelated derivatives. Deuterium isotope effects on ^{13}C NMR chemical shifts **P. E. Hansen, S. Bolvig** and **T. Kappe**

A pair of pyrene groups as a conformational probe for designed four-α-helix bundle polypeptides
H. Mihara, Y. Tanaka, T. Fujimoto and **N. Nishino**

NMR conformational study of the neutralisation of *meso*-and *rac*-2,3-dimethyl- and 2,3-diethyl-succinic acids in aqueous solution
H. Komber

Interactions between metal cations and the ionophore lasalocid. Part 13. Structure of 1:1 and 2:1 lasalocid anion–divalent cation complexes in methanol **M. Mimouni, P. Malfreyt, R. Lyazghi, M. Palma, Y. Pascal, G. Dauphin** and **J. Juillard**

Selective sensing of guanidinium and tetraalkylammonium ions using lipophilic cyclodextrins
P. M. Kelly, R. Kataky, D. Parker and **A. F. Patti**

Conformational analysis. Part 24. A lanthanide-induced shift (LIS) nuclear magnetic resonance investigation of aromatic ketones. Lutetium *versus* lanthanum reagents in probing diamagnetic complexation shifts **F. Sancassan, G. Petrillo** and **R. J. Abraham**

Conformational analysis. Part 25. The evaluation of molecular geometries by the lanthanide-induced shift (LIS) technique
R. J. Abraham, S. Angiolini, M. Edgar and **F. Sancassan**

A study of the mechanism of solvolysis of allylcarbinyl bromide (4-bromobut-1-ene) using the extended (two-term) Grunwald–Winstein equation **D. N. Kevill** and **M. H. Abduljaber**

Electrochemical oxidation of [1.1.1.1]pagodanes, bisseco-, seco- and dodecahedra (di) enes: stability of caged 4c/3e radical cations and 4c/2e dications **K. Weber, G. Lutz, L. Knothe, J. Mortensen, J. Heinze** and **H. Prinzbach**

Partition between phases of a solute that exists as two interconverting species **M. H. Abraham** and **A. J. Leo**

Factors that influence tadpole narcosis. An LFER analysis **M. H. Abraham** and **C. Rafols**

Interactions between amines and aromatic fluoro derivatives **L. Forlani** and **E. Mezzina**

Quantitative structure-sublimation enthalpy relationship studied by neural networks, theoretical crystal packing calculations and multilinear regression analysis **M. H. Charlton, R. Docherty** and **M. G. Hutchings**

Molecular recognition of alkyl and arylalkylamines by calix[4]-crown ethers **Y. E. Jung, B. M. Song** and **S.-K. Chang**

Design, synthesis and solution structure of a helix-loop-helix dimer: a template for the rational design of catalytically active polypeptides **S. Olofsson, G. Johansson** and **L. Baltzer**

Enantiodifferentiating photoisomerization of 1-methylcyclooctene sensitized by chiral alkyl benzenecarboxylates: steric effects upon stereodifferentiation **H. Tsuneishi, T. Hakushi, A. Tai** and **T. Inoue**

Reviewing homolysis in benzylic systems: photolysis of a series of α-brominated *o*-xylenes in apolar solvents
D. de B. Rezende, I. P. de Arruda Campos, C. G. Toscano and **L. H. Catalani**

Conformational properties of 3,3'-, 3,4'- and 4,4'-dimethyl and bis(methylthio) 2,2'-bithiophenes
G. Barbarella, M. Zambianchi, L. Antolini, U. Folli, F. Goldoni, D. Iarossi, L. Schenetti and **A. Bongini**