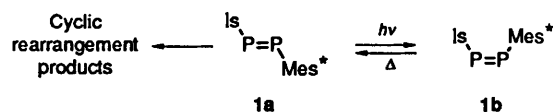


- 807 **Synthesis, photochemical behaviour and *cis/trans* isomerisation of 1-(2,4,6-triisopropylphenyl)-2-(2,4,6-tri-*tert*-butylphenyl)diphosphene**

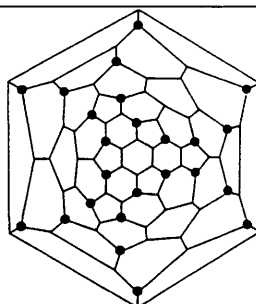
Corine M. D. Komen, Frans J. J. de Kanter, Simon J. Goede and Friedrich Bickelhaupt



Investigations of this photochemical and thermal *cis/trans* isomerisation yielded, besides interesting cyclisation products, the first experimental value for the π -bond strength of the P=P bond

- 813 **C₆₀, C₇₀, C₇₆, C₇₈ and C₈₄: Numbering, π -bond order calculations and addition pattern considerations**

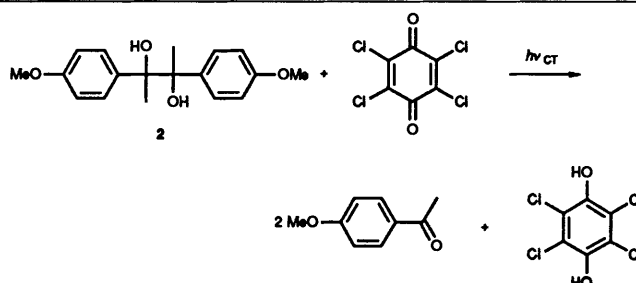
Roger Taylor



A numbering system for fullerenes is proposed, and the sites probably susceptible to addition are identified

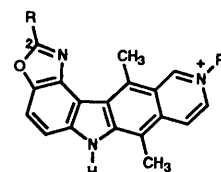
- 825 **Photoinduced electron transfer in pinacol cleavage with quinones *via* highly labile cation radicals. Direct comparison of charge-transfer excitation and photosensitization**

Serge Perrier, Seth Sankararaman and Jay K. Kochi



- 839 **Self-association mechanisms in aqueous media: dimerization *versus* micellization of alkyl-ellipticinium derivatives**

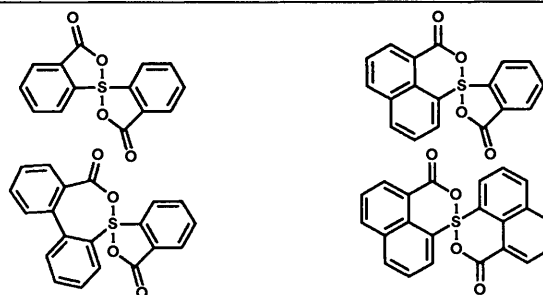
Alain Adenier, Marie-Anne Cordonnier, Marie-Françoise Ruasse and Marc-Antoine Schwaller



Substitution on the chromophore by a pentyl chain either at C-2 or N-10 leads, respectively, to micellization (R = pentyl; R' = methyl) or self-stacking (R = H; R' = pentyl) aggregation

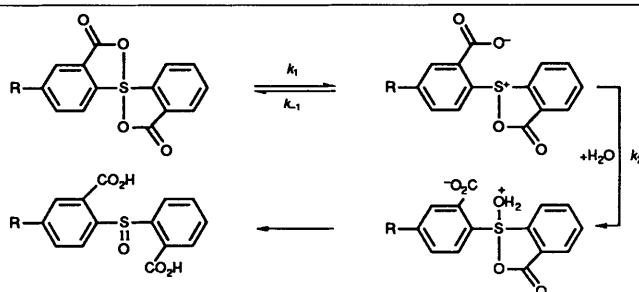
- 847 **Diaryldiacloxyspirosulfuranes. Part 3. Sulfuranes with five-, six- and seven-membered spirorings: syntheses and molecular structures**

István Kapovits, József Rábai, Dénes Szabó, Klára Czakó, Árpád Kucsman, Gyula Argay, Vilmos Fülöp, Alajos Kálmán, Tibor Koritsánszky and László Párkányi



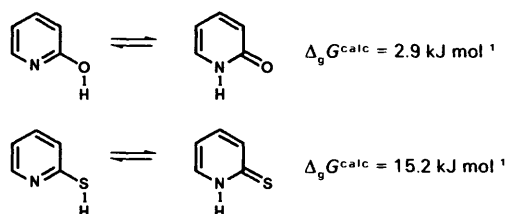
- 855 **Diaryldiacloxyspirosulfuranes. Part 4. A kinetic study on the mechanism of hydrolysis**

Elemér Vass, Ferenc Ruff, István Kapovits, József Rábai and Dénes Szabó



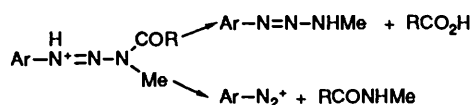
- 861 **Predictions of tautomeric equilibria in 2-hydroxypyridine and pyridine-2-thiol: correlation effects and possible discrepancies with experiment**

Oswald G. Parchment, Neil A. Burton, Ian H. Hillier and Mark A. Vincent



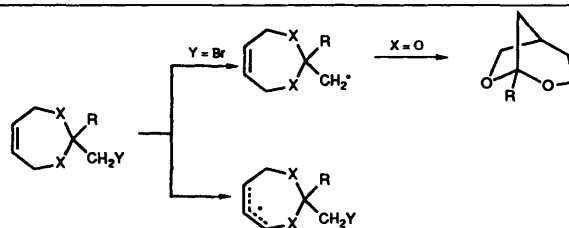
- 865 **Triazene drug metabolites. Part 13. The decomposition of 3-acyl-3-alkyl-1-aryltriazenes in aqueous sulfuric acid**

Emília Carvalho, Jim Iley and Eduarda Rosa



- 871 **Cyclisation of 2-substituted 2-bromomethyl-1,3-dioxacyclohept-5-enes; hydrogen transfer reactions of 1,3-dioxacyclohept-5-enes and 1,3-dithiacyclohept-5-enes**

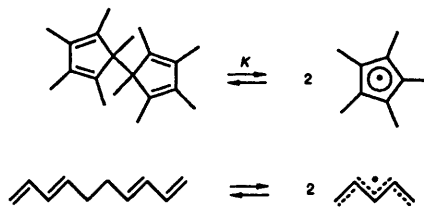
Andrew C. Hindson, Finlay MacCorquodale and John C. Walton



Homolytic reactions of dihydrodioxepines and dihydrodithiepienes were examined and intermediates were characterised by EPR spectroscopy

- 879 **Dimers of delocalised radicals: pentamethylcyclopentadienyl and pentadienyl**

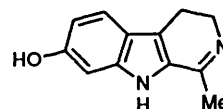
Peter N. Culshaw, John C. Walton, Lise Hughes and Keith U. Ingold



Thermal dissociations of dimers of delocalised radicals were studied by EPR spectroscopy and product analysis

- 887 **Photochemical reaction of harmalol. Part 2. Electronic spectra**

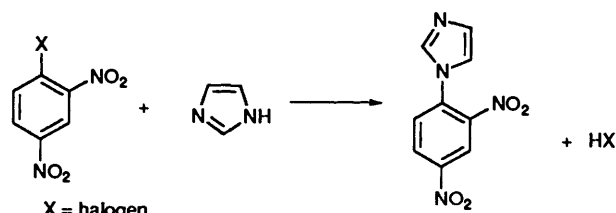
Miriana C. Biondic and Rosa Erra-Balsells



The unusual behaviour of this alkaloid has been studied by excited state proton transfer from organic solvents

- 905 **The reaction of imidazole with some 1-halogeno-2,4-dinitrobenzenes in aprotic solvents**

Elizabeth T. Akinyele, Delanson R. Crist and Jack Hirst



Mechanisms of reaction in DMSO, acetonitrile and benzene

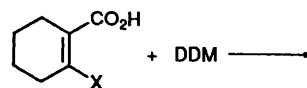
- 993 **A comparative evaluation of the voltammetric behaviour of phenyl methyl sulfone, phenyl methyl sulfide and phenyl methyl sulfoxide in *N,N*-dimethylformamide on a glassy carbon electrode**

Subbiah Chellammal, Michael Noel and Payyallar Narayanan Anantharaman

A new disproportionation reaction mechanism is proposed to account for an enhanced apparent '*n*' value observed during voltammetric reduction of phenyl methyl sulfoxide on a glassy carbon electrode in DMF

- 999 **The reactivity of 2-substituted cyclohex-1-enecarboxylic acid with diazodiphenylmethane in various alcohols**

Gordana S. Ušćumlić, Vera V. Krstić and Milan D. Muškatirović



The reactivity of 2-substituted cyclohex-1-enecarboxylic acids with diazodiphenylmethane (DDM) in several alcohols has been investigated, and the rate data correlated with Hammett σ_p constants

Corrigendum

- 1003 **Long-range proton hyperfine splittings in the EPR spectra of cyclohexyl and alkylcyclohexyl radicals: ring inversion in the cyclohexyl radical** Brian P. Roberts and Andrew J. Steel

IUPAC Commission on Physical Organic Chemistry

ix Conference Diary

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

