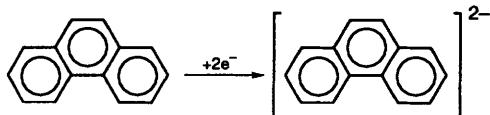


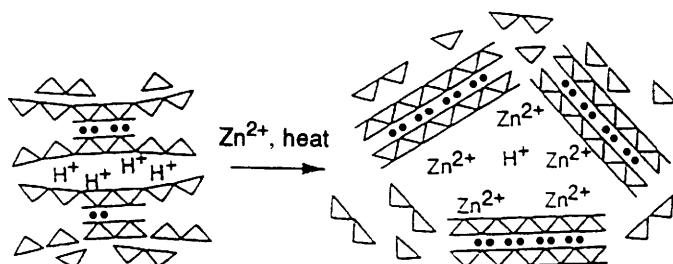
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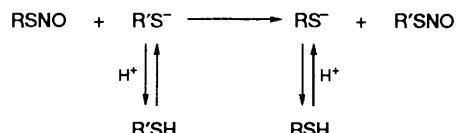
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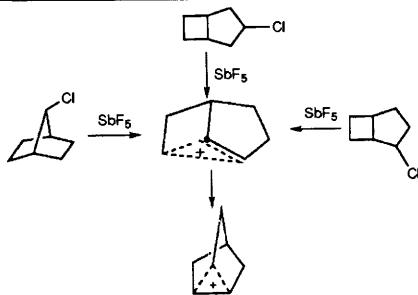
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Reaction occurs directly without prior formation of NO^+ or NO

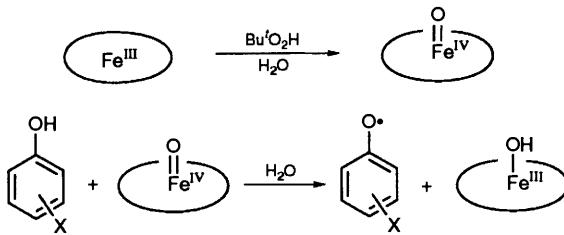
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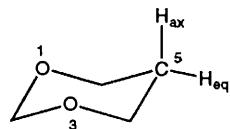
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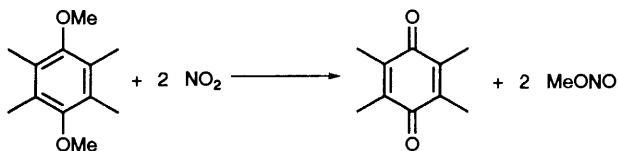
Jiaqiang Cai, Alwyn G. Davies and Carl H. Schiesser



The effect at the 5-position of the two β-oxygen atom is to reduce $^1J_{C-H(eq)}$ (ca. 125 Hz) relative to $^1J_{C-H(ax)}$ (ca. 132 Hz)

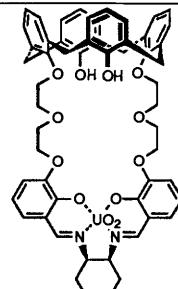
1157 Oxidative dealkylation of hydroquinone ethers with nitrogen dioxide in the convenient preparation of quinones

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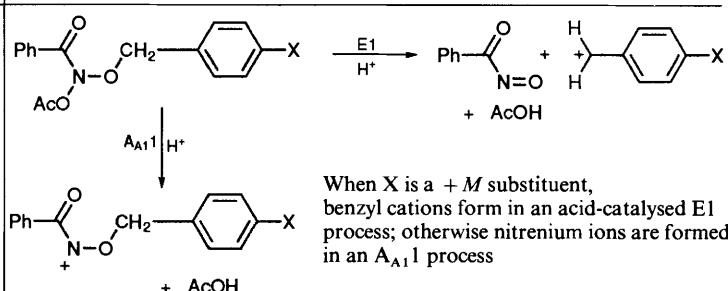
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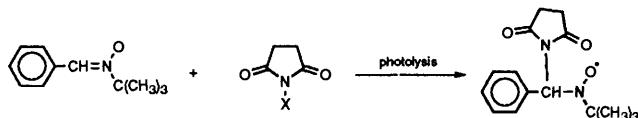
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1181 Inverted spin trapping. Part IV. Application to the formation of imidyl spin adducts from *N*-haloimides

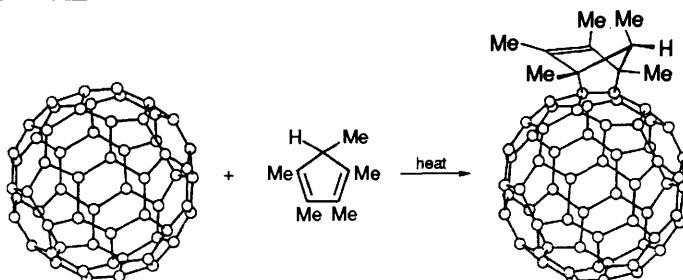
Lennart Eberson, Johan Lind and Gabor Merenyi



Imidyl spin adducts, formed by photolysis of *N*-haloimide–spin trap mixtures, are, in most cases, generated by photooxidation of the spin trap to its radical cation, followed by reaction of the latter with imide ion (inverse spin trapping)

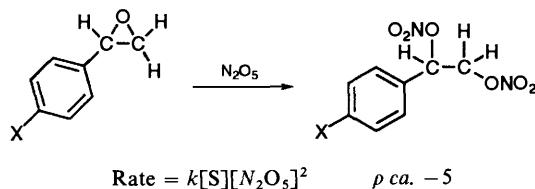
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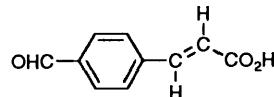
Jonathan Dormer and Roy B. Moodie



$$\text{Rate} = k[\text{S}][\text{N}_2\text{O}_5]^2 \quad \rho \text{ ca. } -5$$

1201 The rôle of powder diffraction in establishing structure–property relationships for crystalline solids: a new structural assignment of the photoreactive and photostable phases of *p*-formyl-*trans*-cinnamic acid

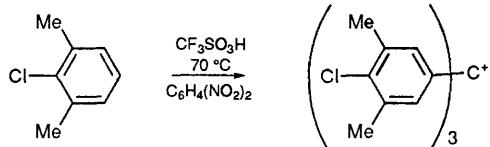
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p-Formyl-*trans*-cinnamic acid can exist in two different crystalline phases—a photoreactive (β) phase and a photostable (γ) phase; powder X-ray diffraction has been applied to probe the relationship between crystal structure and photoreactivity in this system

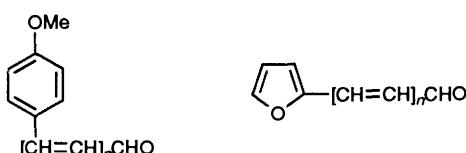
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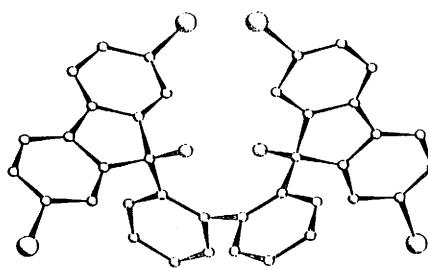
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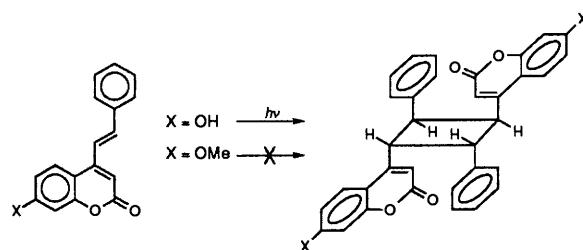
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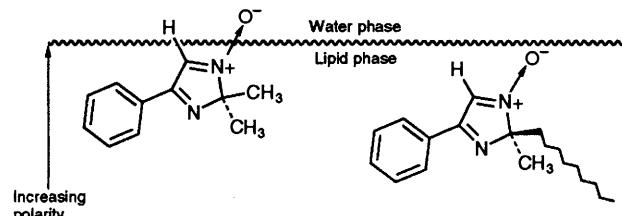
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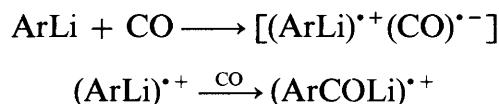
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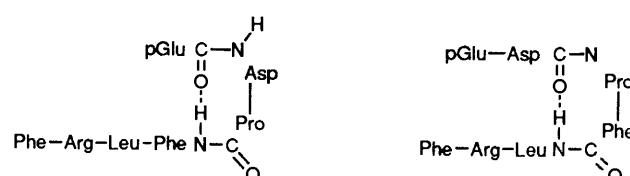
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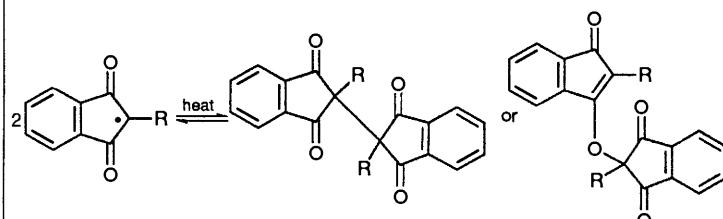
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¹H NMR studies show that pQDPFLRFamide and the Asn² and Aib³ analogues can adopt a β-bend predominantly over residues pGlu to Phe in DMSO but over Asp to Leu in aqueous solution

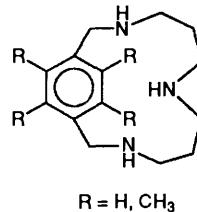
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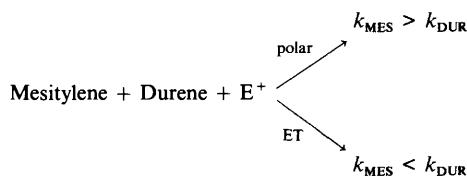
Antonio Bianchi, Beatriz Escuder, Enrique García-España, Santiago V. Luis, Victor Marcelino, Juan F. Miravet and José A. Ramírez



The interaction of hydrogen ions with a series of macrocyclic receptors has been studied in aqueous solution by potentiometry, direct microcalorimetry and ^1H and ^{13}C NMR spectroscopy; correlations of the basicity with the atomicity of the macrocycle, the type of chains within the bridge and the nature of the aromatic spacer are advanced

1261 Studies of substrate selectivity in aromatic iodination and other substitution reactions reinforce previous conclusions about the nature of the mechanism of electrophilic aromatic substitutions

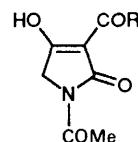
Carlo Galli and Silvia Di Giammarino



Substrate selectivity allows one to distinguish between polar and ET mechanisms of $\text{S}_{\text{E}}\text{Ar}$

1271 Synthesis, NMR spectroscopic and X-ray crystallographic studies of *N*-acetyl-3-butanoyltetramic acid

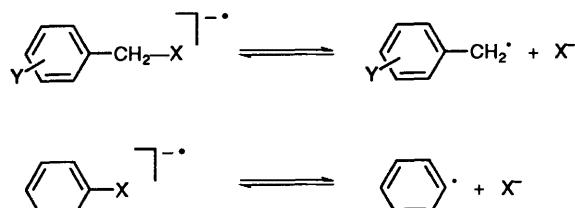
James V. Barkley, John Markopoulos and Olga Markopoulou



The equilibrium between different tautomeric forms of *N*-acetyl-3-butanoyltetramic acid was investigated by ^1H and ^{13}C NMR spectroscopy

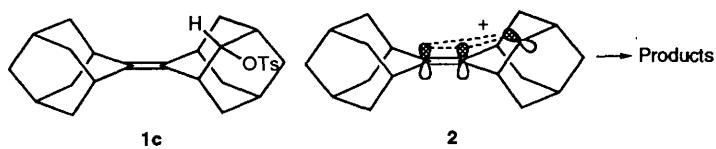
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Kim Daasbjerg



1279 Observation of an unusually large rate acceleration caused by a homoallylic double bond in the solvolyses of an unstrained secondary adamantyl tosylate

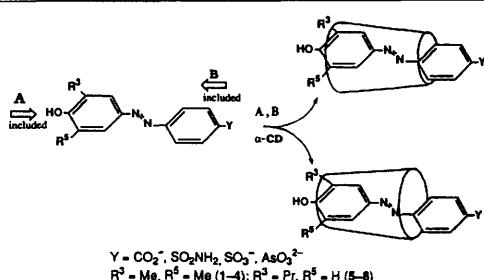
Xicai Huang and Andrew J. Bennet



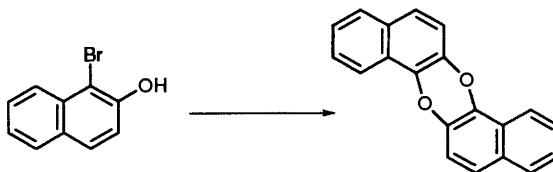
Solvolytic of 1c proceeds through a homoallylic stabilized cation 2
 $k_{1c}/k_{2-\text{AdOTs}} = 1.7 \times 10^6$ (25 °C; EtOH)

1285 Dynamic aspects in host–guest interactions. Part 2. Directional inclusion reactions of some azo guest molecules with α -cyclodextrin

Noboru Yoshida and Katura Hayashi



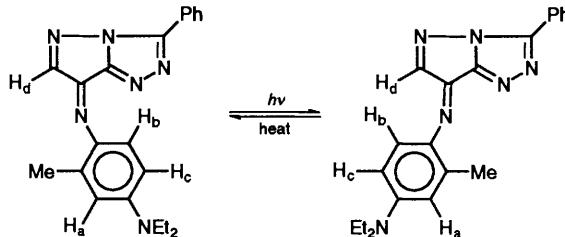
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Luciano Forlani, Andrea Lugli, Daniele Nanni and Paolo E. Todesco

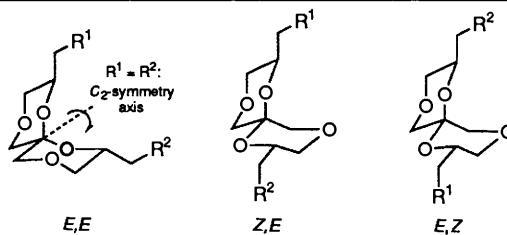
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1299 2- And 8-functionalized 1,4,7,10-tetraoxaspiro[5.5]undecanes. Part 4. Conformational study by ^1H and ^{13}C NMR spectroscopy

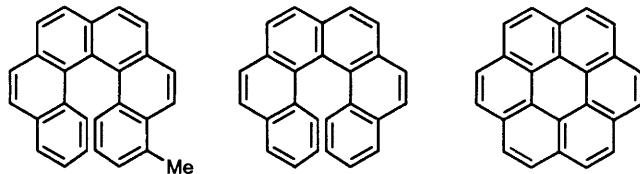
Marielle Lemaire, Georges Jeminet, Annie Cuer, Jean-Gabriel Gourcy and Gérard Dauphin



$\text{R}^1 = \text{R}^2 = \text{NHTs}$, 1; $\text{R}^1 = \text{R}^2 = \text{OH}$, 2; $\text{R}^1 = \text{R}^2 = \text{OCOPr}$, 3;
 $\text{R}^1 = \text{OH}, \text{R}^2 = \text{NHBu}'$, 4; $\text{R}^1 = \text{R}^2$ $Z,E = E,Z$

1303 Electrophilic and oxidative chemistry of 4-methyl[6]helicene, [6]helicene and coronene; persistent ion generation in superacid media, gas phase mass spectrometric studies and AM1 calculations

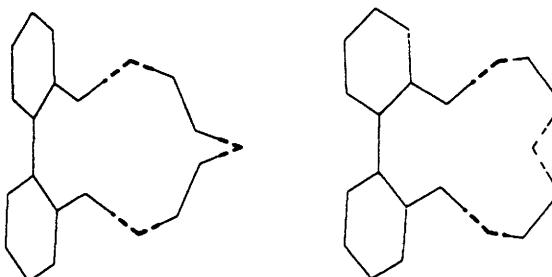
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Protonation/oxidation in superacids; reactions with H^+ , MeCO^+ , Me_3Si^+ in the gas phase, and AM1 energies

1309 New trithia- and dithioxa-macrocycles with biphenyl fused into the backbone: structures, and molecular modelling studies

Joyce C. Lockhart, David P. Mousley, George A. Forsyth, Francesc Teixidor, Maria P. Almajano, Luis Escriche, Jaume Casabo, Reijo Sillanpää and Raikko Kivekäs

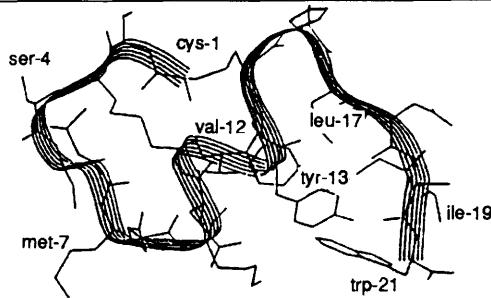


New macrocycles with trithia or dithioxa donors and a biphenyl unit in the skeleton have been synthesised and their structures probed by X-ray crystallography and molecular dynamics simulations

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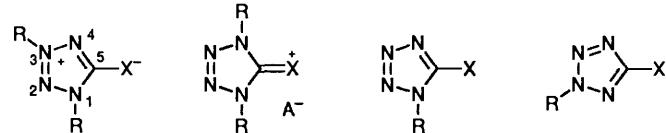
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Enzio Ragg, Rosanna Mondelli, Sergio Penco, Giorgio Bolis, Luca Baumer and Alberto Guaragna



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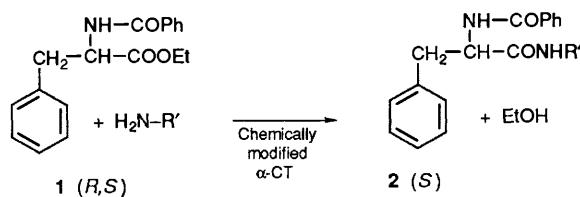
Wojciech Bocian, Jarosław Jaźwiński, Wiktor Koźmiński, Lech Stefaniak and Graham A. Webb



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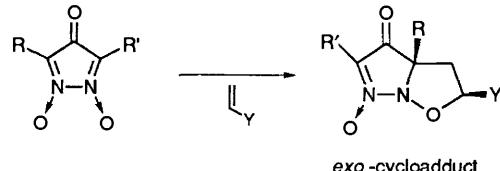
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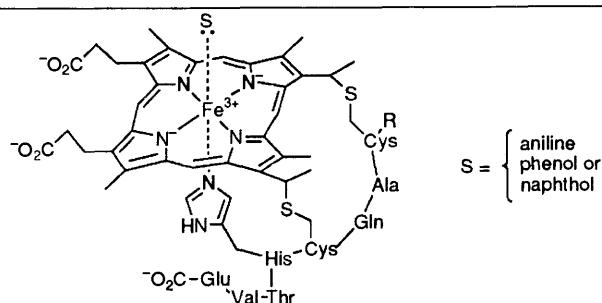
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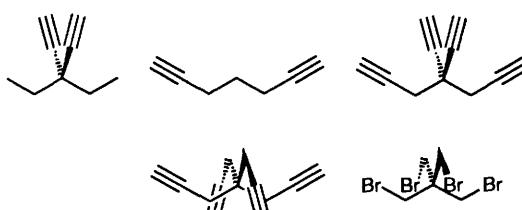
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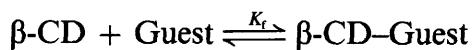
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Dennis L. Lichtenberger, Lalitha Subramanian, Uwe Bunz and K. Peter C. Vollhardt



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1359 Binding forces contributing to the complexation of organic molecules with β -cyclodextrin in aqueous solution

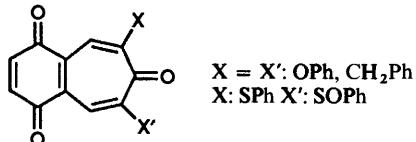


Jung Hag Park and Tae Hwa Nah

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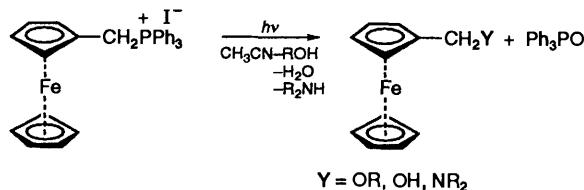
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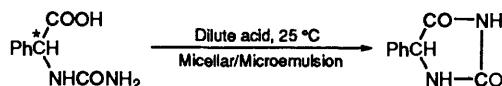
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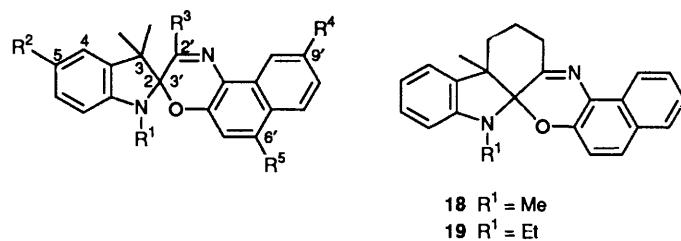
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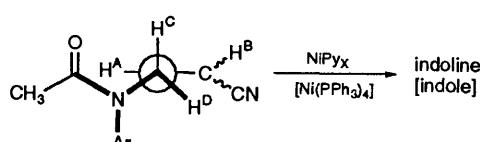
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