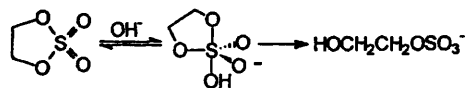


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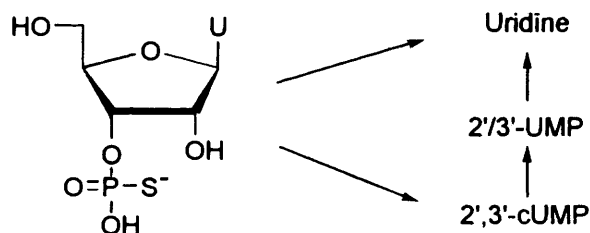


MO calculations show relief of ring strain in the pentacoordinate intermediate is a factor in the observed hydrolytic rate enhancement

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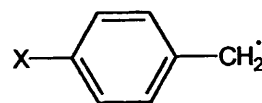
- 771 Hydrolytic dethiophosphorylation and desulfurization of the monothioate analogues of uridine monophosphates under acidic conditions

Mikko Ora, Mikko Oivanen and Harri Lönnberg

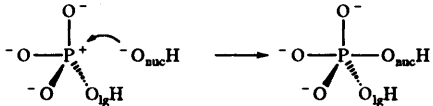
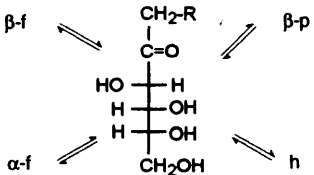
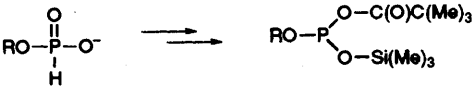
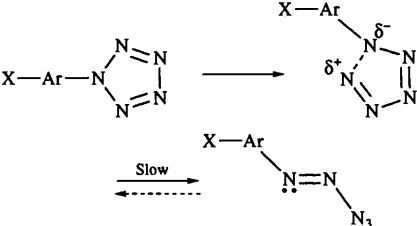


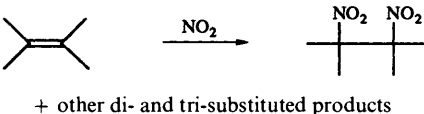
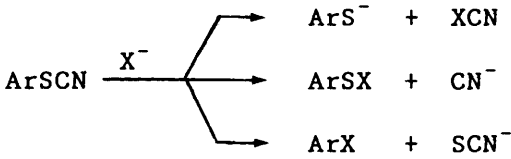
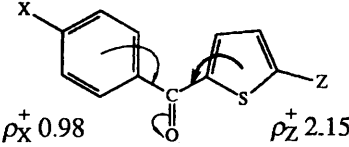
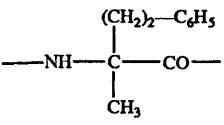
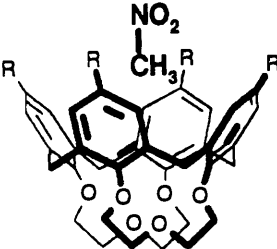
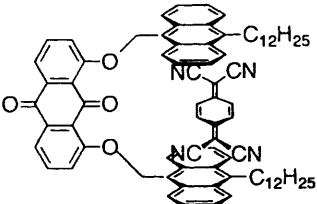
- 775 Stabilization of benzylic radicals by substituents: an EPR study of *para*-substituted benzyl radicals

Richard A. Jackson and Mahmood Sharifi



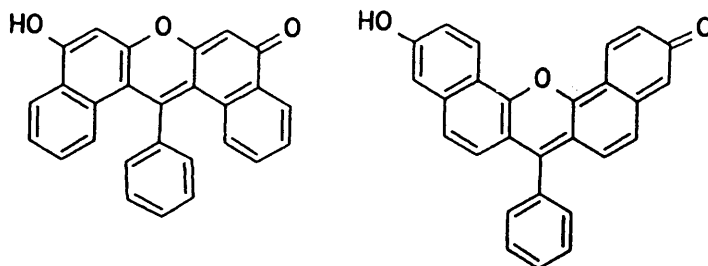
Accurate EPR coupling constants for 15 *para*-substituted benzyl radicals throw light on radical stabilization by substituents

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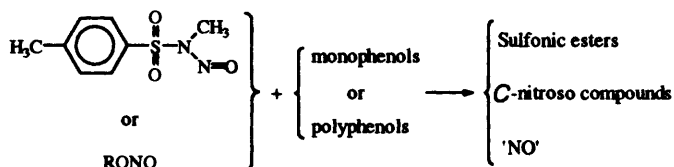
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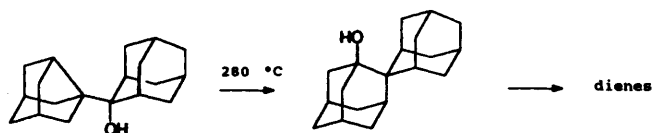
857 **Reactivity of phenolic nucleophiles towards nitroso compounds**

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865 **Thermal fragmentation of 1-substituted spiro[adamantane-2,2'-adamantane] derivatives**

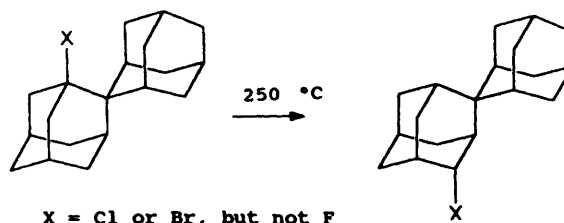
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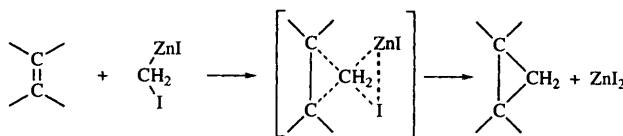
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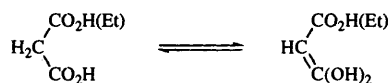
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883 **Halogenation of malonic acid and malonic acid monoethyl ester. Enolisation pathways and enol reactivity**

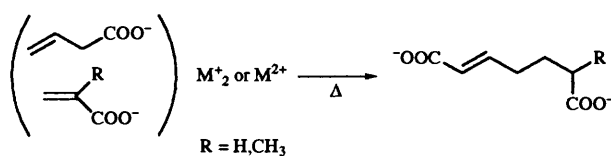
Alex R. Eberlin and D. Lyn H. Williams



K_E and k_E values determined and base-catalysed pathway quantified

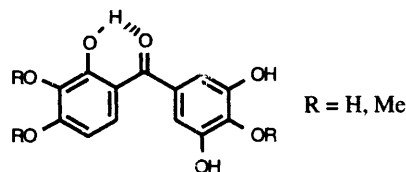
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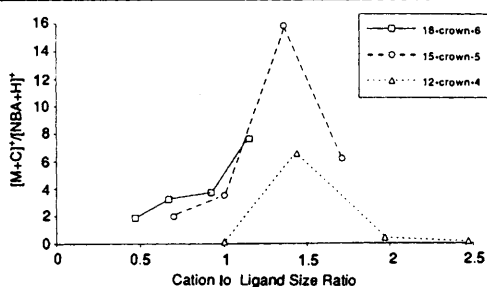
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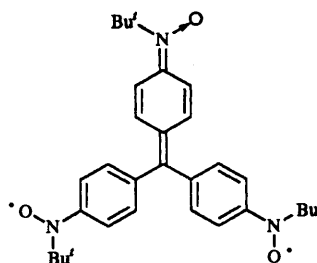
901 **Desorption of crown ether-alkali metal ion complexes in liquid secondary ion mass spectrometry (LSIMS)**

Denis Giraud, Isabelle Scherrens, Marie-Laurence Lever, Olivier Laprévotte and Bhupesh C. Das



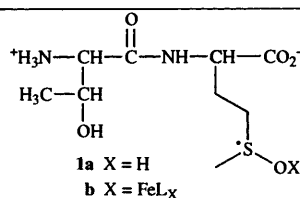
907 **Synthesis and EPR characterisation of triphenylmethane derivatives carrying *N*-tert-butyl nitroxide radical moieties: use of the diradical as a ligand for a complex with $Mn^{II}(hfac)_2$**

Daniela Carmen Oniciu, Kenji Matsuda and Hiizu Iwamura



915 **Oxidation of methionine peptides by Fenton systems: the importance of peptide sequence, neighbouring groups and EDTA**

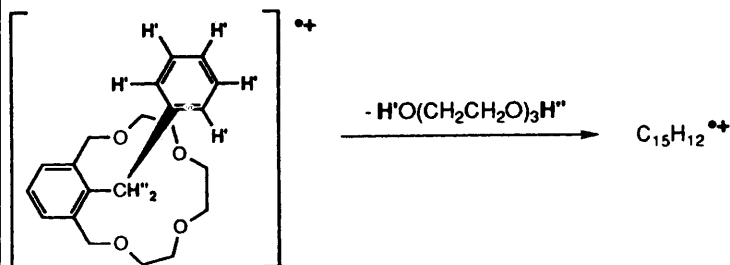
Christian Schöneich and Jian Yang



Evidence is obtained that the oxidation of methionine-containing model peptides by the Fenton system $[Fe^{II}(EDTA)]^{2-} - H_2O_2$ proceeds in part *via* the intermediate formation of sulfuranyl radicals **1a** and **1b**. A fraction of these sulfuranyl radicals can subsequently decompose *via* side chain fragmentation of the threonine side chain to yield acetaldehyde

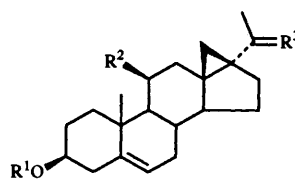
925 **The remarkable electron impact mass spectrum of (2-benzyl-1,3-xylylene)-15-crown-4: expulsion of triethylene glycol by double hydrogen transfer**

Gert-Jan M. Gruter, Ben L. M. van Baar, Tom J. Gerrits, Otto S. Akkerman, Friedrich Bickelhaupt, Anja Barkow and Dietmar Kuck



- 933 ^1H - ^1H Long range couplings in fused cyclopropanes. NMR spectral assignment and conformation of 17,18-cyclosteroids

Eduardo M. Sproviero, Andrés Ferrara, Rubén H. Contreras and Gerardo Burton

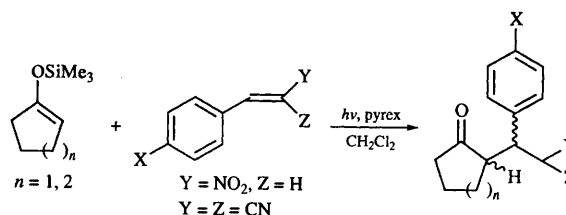


- 1 $\text{R}^1 = \text{Ac}, \text{R}^2 = \text{H}, \text{R}^3 = \text{O}$
 2 $\text{R}^1 = \text{H}, \text{R}^2 = \text{OH}, \text{R}^3 = \text{O}$
 3 $\text{R}^1 = \text{Ac}, \text{R}^2 = \text{H}, \text{R}^3 = \text{H,OH}$

$^4J_{\text{H-H}}$ between cyclopropyl and non-cyclopropyl hydrogens follows an angular dependence related to that of allylic couplings

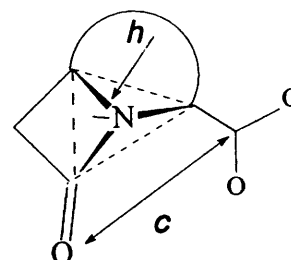
- 939 Photochemical Michael reaction of silyl enol ethers with 2'-nitro- and 2',2'-dicyanostyrenes

D. Ramkumar and S. Sankararaman



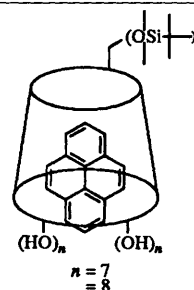
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Ashwini Nangia, Kumar Biradha and Gautam R. Desiraju



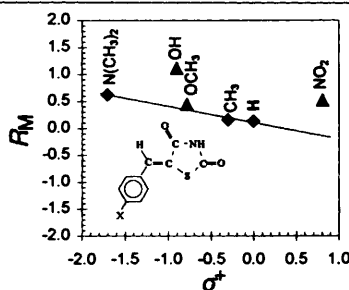
- 955 Steady state fluorescence studies of the complexes between pyrene and per-6-*O*-*tert*-butyldimethylsilyl α -, β - and γ -cyclodextrins

Mohamed Eddaoudi, Anthony W. Coleman, Patrice Prognon and Purificacion Lopez-Mahia



- 961 The Hammett equation and Snyder theory as a criterion for adsorption of a functional group under liquid-solid chromatography

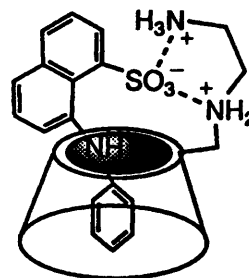
Mariana Palamareva and Sasho Chorbadjiev



In terms of Snyder theory, a deviation to higher values from the Hammett plot denotes adsorption of the corresponding group X (OH and NO_2 in the cases studied)

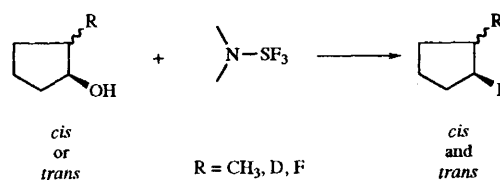
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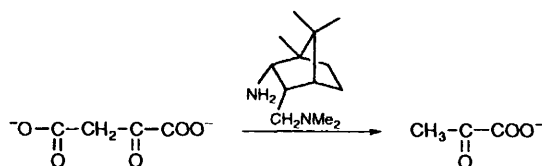


973 Reaction of aminosulfur trifluorides with alcohols: inversion vs. retention

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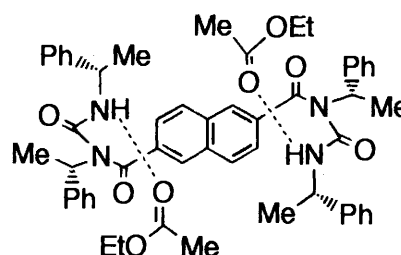
979 *cis*-Diamines as active catalysts for the decarboxylation of oxalacetate

Kenji Ogino, Hiroki Tamiya, Yoshikazu Kimura, Hideki Azuma and Waichiro Tagaki



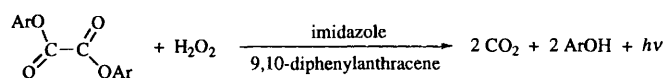
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989 Kinetic studies on the peroxyoxalate chemiluminescent reaction: imidazole as a nucleophilic catalyst

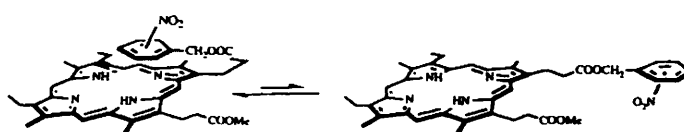
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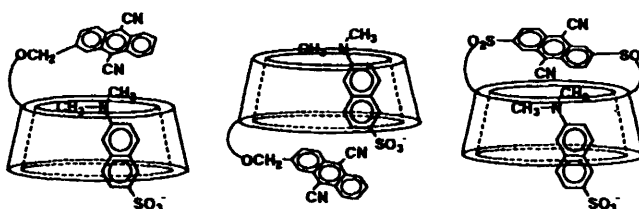
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997 Conformational folding induced by π - π interaction in a series of flexible dyads consisting of isomeric mesoporphyrin nitrobenzyl esters

Carles Colominas, Lisbeth Eixarch, Pere Fors, Kamil Lang, Santiago Nonell, Jordi Teixidó and Francesc R. Trull

1005 Synthesis and characterization of dicyanoanthracene-tethered β -cyclodextrins

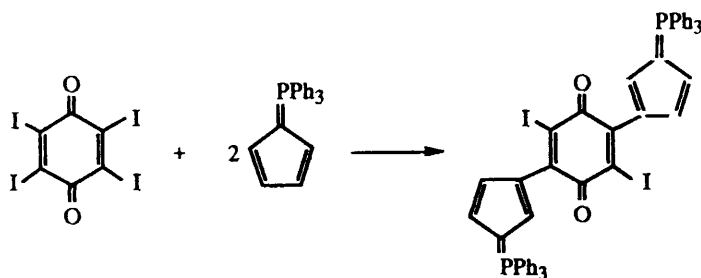
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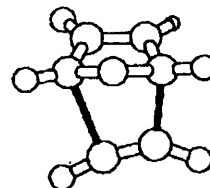
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- 1021 **Density functional theory study of ethene and acetylene addition to oxazole and protonated oxazole**

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A combined DFT-AM1 computational study is performed for ethene and acetylene cycloaddition with oxazole

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- 1028 **Chemical pressure effect by selective deuteration in the molecular-based conductor, 2,5-dimethyl-*N,N'*-dicyano-*p*-benzoquinone immine-copper salt, (DMe-DCNQI)₂Cu** Shuji Aonuma, Hiroshi Sawa and Reizo Kato
- 1029 **Correlation of ³¹P chemical shift parameters to molecular structures of hexacoordinate organophosphorus compounds in the solid state** Marek J. Potrzebowski, Jacek Kowara, Włodzimierz Ciesielski and Aleksandra Skowrońska

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