

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions 2

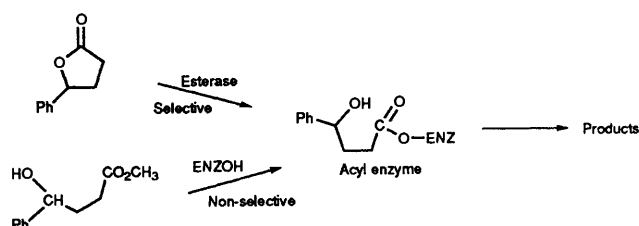
Physical Organic Chemistry

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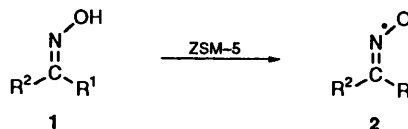
2317 The esterase catalysed resolution of lactones and spirodilactone

Patrick Barton and Michael I. Page



2319 Generation and EPR spectra of iminoxyl radicals in a pentasil zeolite

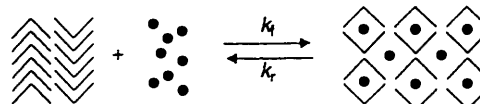
Prasad S. Lakkaraju, Junxiong Zhang and Heinz D. Roth



- a $\text{R}^1 = \text{Me}$ $\text{R}^2 = \text{MeC}=\text{O}$
 b $\text{R}^1 = \text{Me}$ $\text{R}^2 = \text{PhC}=\text{O}$
 c $\text{R}^1 = \text{H}$ $\text{R}^2 = \text{PhC}=\text{O}$

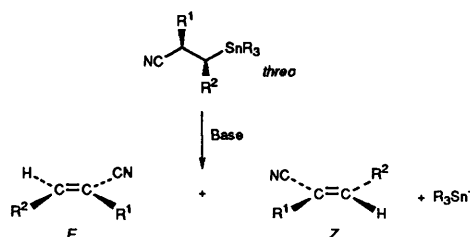
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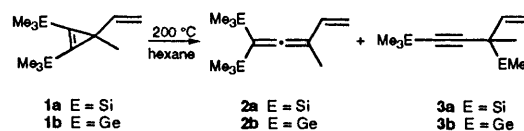


2323 Triphenylstannyl anions and related moieties as leaving groups in elimination reactions

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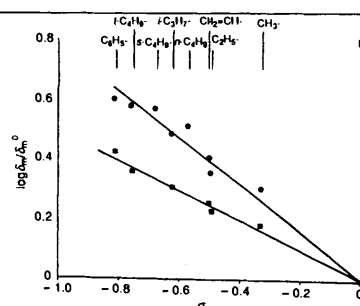


2325 Thermally induced ring opening of novel group 14 functionalized vinylcyclopropenes



Mirjana Eckert-Maksić and Mirta Golić

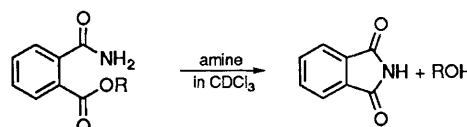
2327 Correlation between polarizability substituent effects and mass displacements of gaseous organic ions determined by an ion trap



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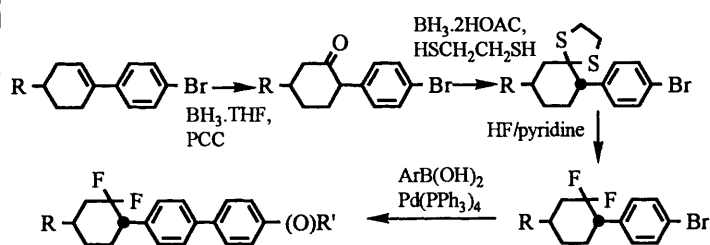
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2329 Amine catalyzed intramolecular imidization of alkyl and aryl phthalamates. Kinetics and mechanism in deuteriated chloroform

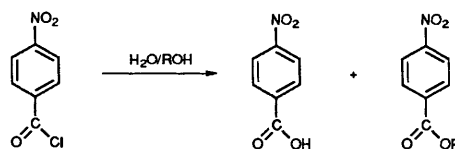
R = Bu, CF₃CH₂, or Ph

Man-kit Leung and Jean M. J. Fréchet

2337 The synthesis and transition temperatures of some difluoro-substituted cyclohexanes



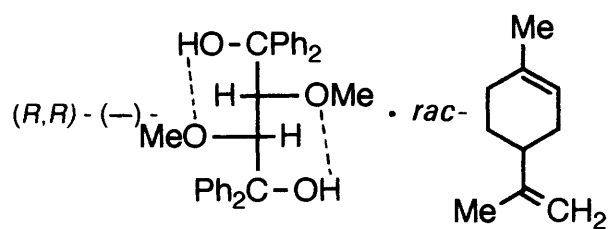
Michael Hird, Kenneth J. Toyne, Andrew J. Slaney, John W. Goodby and George W. Gray

2351 Stoichiometric solvation effects. Part 1. New equations relating product selectivities to alcohol-water solvent compositions for hydrolyses of *p*-nitrobenzoyl chloride

T. William Bentley and Robert O. Jones

- 2359 **Structure and inclusion characteristics of (*R,R*)-(-)-2,3-dimethoxy-1,1,4,4-tetraphenylbutane-1,4-diol**

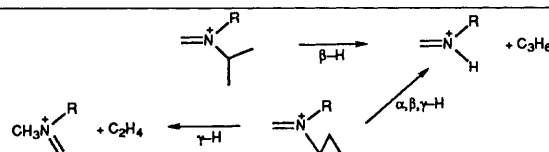
Fumio Toda, Koichi Tanaka, Zafra Stein and Israel Goldberg



Channel-type inclusion compound, host : guest = 2 : 1

- 2363 **Unimolecular reactions of isolated organic ions: reactions of the immonium ions $\text{CH}_2=\text{N}^+(\text{CH}_3)\text{CH}(\text{CH}_3)_2$, $\text{CH}_2=\text{N}^+(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CH}_3$ and $\text{CH}_2=\text{N}^+(\text{CH}_2\text{CH}_2\text{CH}_3)_2$**

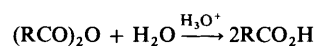
Richard D. Bowen, Alex W. Colburn and Peter J. Derrick



Metastable $\text{CH}_2=\text{N}^+(\text{R})\text{CH}(\text{CH}_3)_2$ ions expel only C_3H_6 with specific β -H transfer; $\text{CH}_2=\text{N}^+(\text{R})\text{CH}_2\text{CH}_2\text{CH}_3$ ions lose C_3H_6 with increased kinetic energy release and α , β and γ -H transfer; $\text{CH}_2=\text{N}^+(\text{R})\text{CH}_2\text{CH}_2\text{CH}_3$ ions also eliminate C_2H_4 with specific γ -H transfer

- 2373 **The kinetics and mechanism of the mineral acid-catalysed hydrolysis of carboxylic acid anhydrides in water and in dioxane-water mixtures. Application of the excess acidity function to these systems**

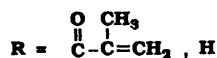
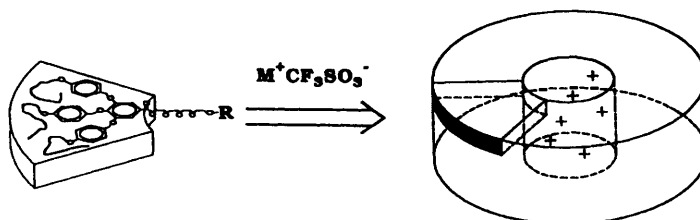
Derek P. N. Satchell, Wasfy N. Wassef and (in part) Zaheer A. Bhatti



The excess acidity function provides evidence for A1 and A2 mechanisms in both water and dioxane-water

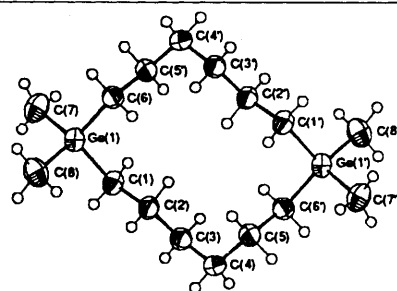
- 2381 **The influence of the complexation of sodium and lithium triflate on the self-assembly of tubular-supramolecular architectures displaying a columnar mesophase based on taper-shaped monoesters of oligoethylene oxide with 3,4,5-tris[*p*-(*n*-dodecan-1-yloxy)benzyloxy]benzoic acid and of their polymethacrylates**

Virgil Percec, James A. Heck, Dimitris Tomazos and Goran Ungar



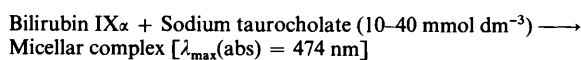
- 2389 **Molecular structure of 1,1,8,8-tetramethyl-1,8-digermacyclotetradecane: the first 14-membered germacycles**

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- 2393 **Absorption and emission spectral studies of bilirubin IX α complexes with sodium taurocholate in aqueous buffer, pH 8.0**

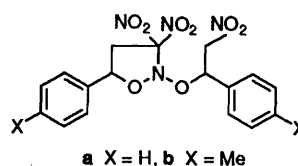
William E. Kurtin, Denise Reck, Jennifer Lafontaine, Maricel DeLeon and Nhung Tran



Absorption and emission properties of complex in buffer, pH 8.0, have been characterized

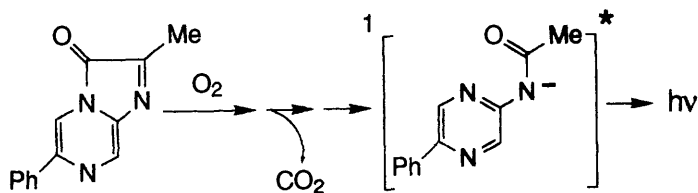
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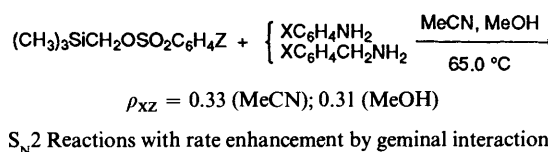
- 2405 **Chemiluminescence of *Cypridina* luciferin analogues. Part 1. Effect of pH on rates of spontaneous autoxidation of CLA in aqueous buffer solutions**

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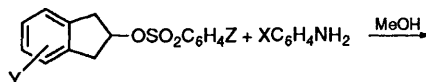
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Hyuck Keun Oh, Chul Ho Shin and Ikchoon Lee



- 2415 **Nucleophilic substitution reactions of indan-2-yl arenesulfonates with anilines in methanol**

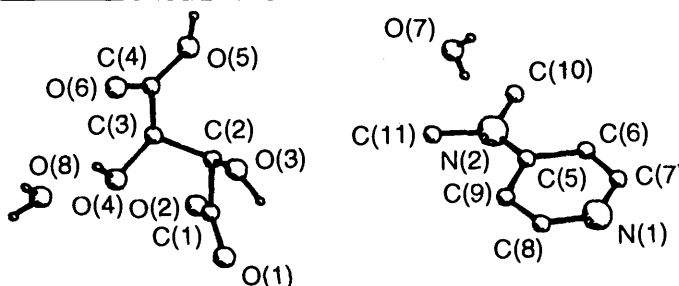
Ikchoon Lee, Young Sook Lee, Chul Huh, Hai Whang Lee and Byung Choon Lee



A large third derivative cross-interaction constant, $\rho_{\text{XYZ}} = -0.53$, reflects a strong three body interaction in the TS

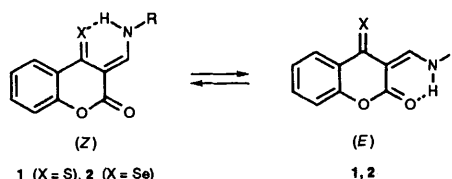
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Parthasarathi Dastidar, Tayur N. Guru Row, B. R. Prasad, C. K. Subramanian and Santanu Bhattacharya



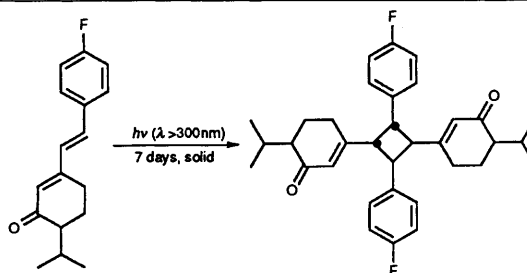
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Alexander L. Nivorozhkin, Hans Toftlund, Paul C. Stein and Frank Jensen



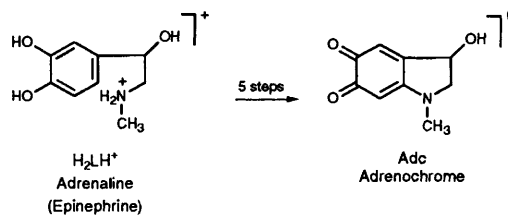
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NOTE: An asterisk in the heading of each paper indicates the author who is to receive any correspondence.