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### Cross-Interaction Constants. A Mechanistic Tool

Ikchoon Lee and Hai Whang Lee

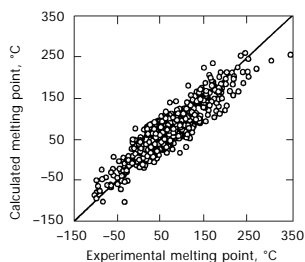
$$\log(k_{ij}/k_{00}) = \rho\sigma_i + \rho_j\sigma_j + \rho_{ij}\sigma_i\sigma_j$$

sign and magnitude of  $\rho_{ij}$

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### QSPR and QSAR Models Derived Using Large Molecular Descriptor Spaces. A Review of CODESSA Applications

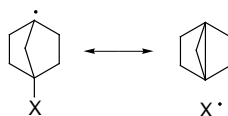
Mati Karelson, Uko Maran, Yilin Wang  
and Alan R. Katritzky



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### Effects of Bridgehead Substituents on the Stability of the 1-Norbornyl Radical

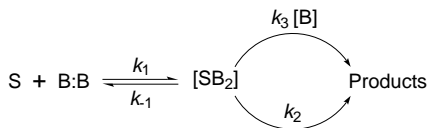
William Adcock and Dieter Lunsmann



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### Effects of the Nucleophile Structure on the Mechanisms of Reaction of 1-Chloro-2,4-dinitrobenzene with Aromatic Amines in Aprotic Solvents

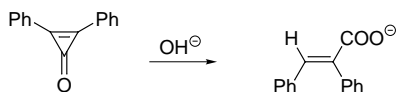
Norma Sbarbati Nudelman, Cecilia E. Silvana Alvaro,  
Monica Savini, Viviana Nicotra and Jeannette Yankelevich



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Reactions of Carbonyl Compounds in Basic Solutions.  
Part 34. The Mechanism of the Base-Catalysed Ring  
Fission of 2,3-Diphenylcycloprop-2-en-1-one

Keith Bowden and Emma J. Burgess



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Ring-Chain Tautomerism. Part 10.  
The Reaction of Oxocarboxylic Acids  
with Diazodiphenylmethane

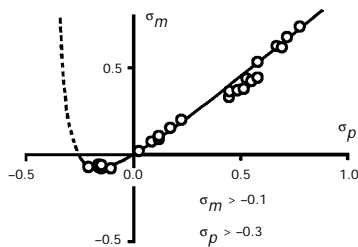
Keith Bowden, Milica M. Mišić-Vuković  
and Richard J. Ranson



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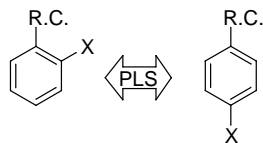
Lower Bounds to Hammett  $\sigma$  Constants  
for *meta* and *para* Normal Substituents

João Carlos R. Reis, Manuel A. P. Segurado  
and Jaime D. Gomes de Oliveira



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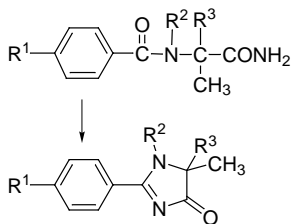
Chemometric Analysis of Substituent Effects. XII.  
Application of Relationship Between 2- and  
4-Substitution of Benzene Ring to Study *ortho*  
Effect in Selected Compounds with Different  
Reaction Centres



Oldřich Pytela and Ondřej Prusek

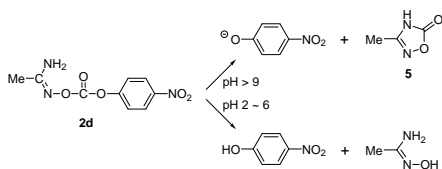
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**Kinetics and Mechanism of the Formation and Decomposition of Imidazolin-4-ones from 2-(*N*-Benzoylamino)alkanamides in Aqueous Medium**Miloš Sedlák, Jiří Hanusek, Radim Bína,  
Jaromír Kaválek and Vladimír Macháček

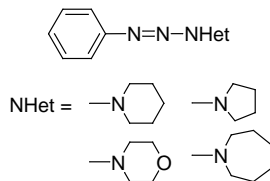
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**Kinetics of Base-Catalysed Hydrolysis and Cyclisation of Substituted Acetamide and Benzamide *O*-(Phenoxy-carbonyl)oximes**Jaromír Mindl, Jaromír Kaválek,  
Helena Straková and Vojeslav Štěrba

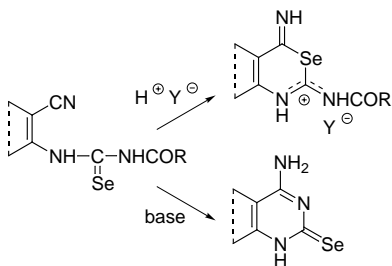
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**Effect of Medium on Acid-Catalyzed Decomposition of *N*-(Phenylazo)-Substituted Nitrogen Heterocycles**Miroslav Ludwig, Iva Bednářová  
and Patrik Pařík

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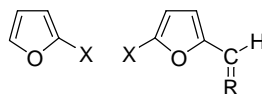
**2-(3-Acylselenoureido)benzonitriles and 2-(3-Acylselenoureido)thiophene-3-carbonitriles. Preparation, Structure Elucidation, Cyclization and Retrocyclization Reactions**Jiří Šibor, Dalimil Žůrek, Radek Marek,  
Michal Kutý, Otakar Humpa, Jaromír Marek  
and Pavel Pazdera

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**Multivariate Regression with Substituent Shift Increments. III. 2,5-Disubstituted Furans**

Miroslav Holík, Zdeněk Friedl  
and Štefan Marchalín



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**Multivariate Regression with Substituent Shift Increments. IV. 2-(4-X-Phenyl)-1,3-dihydro-2H-isindole-1,3-diones and 3-(4-X-Phenyl)-3,4-dihydro-2H-1,3-benzoxazine-2,4-diones**

Miroslav Holík, Zdeněk Friedl, Karel Waisser  
and Jiří Gregor

