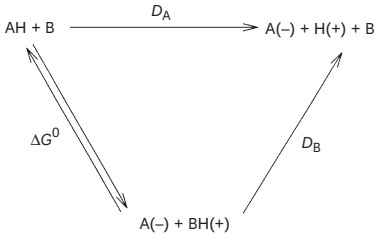
Collect. Czech. Chem. Commun.
2004, *69*, 2121–2133

Molecular Basis of LFER. Simple Model for the Estimation of Brønsted Exponent in Acid-Base Catalysis

Robert Ponec



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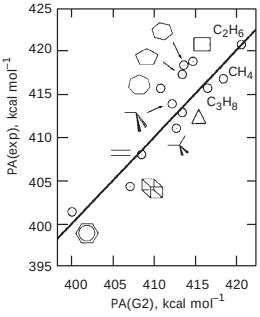
2004, *69*, 2134–2146

Protic Acidity of Some Aliphatic and Alicyclic Hydrocarbons in the Gas Phase and in Solution. An Empirical and Computational Link

Esther Quintanilla, Juan Z. Dávalos, Rebeca Herrero, Pilar Jiménez, Ibon Alkorta and José-Luis M. Abboud



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2004, *69*, 2147–2173

Hydrogen Bonding Contribution to Lipophilicity Parameters. Hydrogen Acceptor and Hydrogen Acceptor Donor Parameters

Marvin Charton and Barbara I. Charton

H-bond

⇓

lipophilicity

Collect. Czech. Chem. Commun.
2004, *69*, 2174–2182

Kinetics and Mechanism of the Aminolysis of *S*-Aryl *O*-Ethyl Dithiocarbonates in Acetonitrile

Hyuck Keun Oh, Ji Young Oh, Dae Dong Sung and Ikchoon Lee

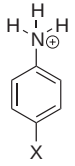
$$EtO–C(=S)–SAr + XC_6H_4CH_2NH_2 \rightarrow \mathbf{4} \rightarrow$$

$$\rightarrow EtO–C(=S)\cdot NHCH_2C_6H_4X + H^+ + {}^-SAr$$

Collect. Czech. Chem. Commun.
2004, *69*, 2183–2192

Substituent Effects on the Acidity of Weak Acids. 4. Anilinium Ions

Kenneth B. Wiberg

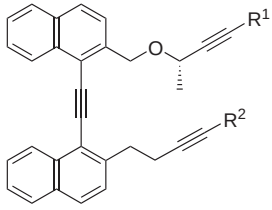


gas phase acidity

Collect. Czech. Chem. Commun.
2004, *69*, 2193–2211

Synthetic Studies Toward Chiral Aromatic Triynes as Key Substrates for the Asymmetric Synthesis of Helicene-Like Molecules

Zuzana Alexandrová, Irena G. Stará, Petr Sehnal, Filip Teplý, Ivo Starý, David Šaman and Pavel Fiedler



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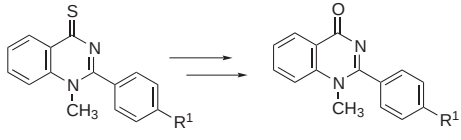
2004, *69*, 2212–2222

Kinetics and Mechanism of Desulfurization Reaction of 1-Methyl-2-phenylquinazoline-4(1*H*)-thiones

Jiří Hanusek, Miloš Sedlák, Roman Keder and Vojeslav Štěrba



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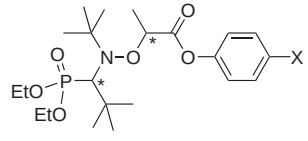
2004, *69*, 2223–2238

Long-Range Polar Effect on the C–ON Bond Homolysis in (*tert*-Butyl-[1-(diethylphosphonyl)-2,2-dimethylpropyl]aminoxyl) SG1-Based Alkoxyamines

Denis Bertin, Didier Gigmes, Sylvain R. A. Marque, Stephan Milardo, Jérôme Peri and Paul Tordo



a, X = *t*-Bu
b, X = Me
c, X = OMe
d, X = H
e, X = F
f, X = CF_3
g, X = CN
h, X = NO_2

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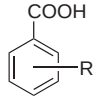
2004, *69*, 2239–2252

Reparametrization and/or Determination of Hammett, Inductive, Mesomeric and AISE Substituent Constants for Five Substituents: $N^+(CH_3)_3$, $CH_2N^+(CH_3)_3$, CH_2Py^+, $CH_2SO_2CH_3$ and $PO(OCH_3)_2$

Jan Pícha, Radek Cibulka, František Liška, Patrik Pařík and Oldřich Pytela



R
$CH_2N^+(CH_3)_3$
CH_2Py^+
$N^+(CH_3)_3$
$CH_2SO_2CH_3$
$PO(OCH_3)_2$

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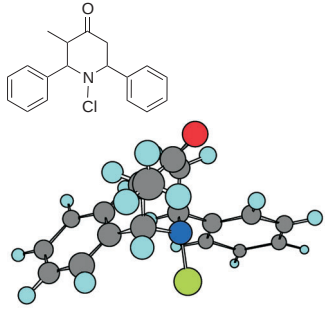
2004, *69*, 2253–2275

Chlorination of *N*-Phenylbenzenesulfonamides with NCP in Aqueous Acetic Acid. Using the *para*/*meta* Ratio of Substituent Effects for Mechanism Elucidation

João Carlos R. Reis, Manuel A. P. Segurado, Jaime D. Gomes De Oliveira, Senthamaraikannan Kabilan and Krishnasamy Suganya



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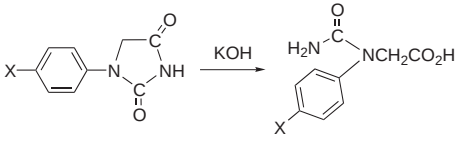
2004, *69*, 2276–2280

σ_I Values for Arylureido Groups

Iva B. Blagoeva, Asen H. Koedjikov, Ivan G. Pojarlieff and Stefan P. Stanchev



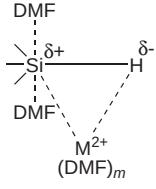
$C_6H_5NHCONHCH_2CO_2H$
$pK_a = 3.80$; $\sigma_I = 0.24$

X	H	CH_3O	Cl
pK_a	3.76	3.78	3.63
σ_I	0.25	0.24	0.28

Collect. Czech. Chem. Commun.
2004, *69*, 2281–2296

The Solvent Effects on Kinetics and Mechanism of Zinc or Cadmium Halide Catalyzed Reactions of Hydrosilanes with Hydroxylic Reagents

Jerzy J. Chruściel



where $M^{2+} = Zn^{2+}$ or Cd^{2+}

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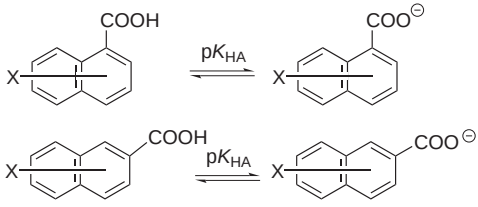
2004, *69*, 2297–2314

Analysis of Substituent Effects in Naphthalene Skeleton

Patrik Pařík and Miroslav Ludwig



X = NH_2, OCH_3, CH_3, H, Cl, Br, CN, NO_2
solvents: MeOH, EtOH, AN, DMF, DMSO, Py