

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions II

Physical Organic Chemistry

CONTENTS

- 199 Diastereotopic effect of the methylene protons in *N-ortho*-substituted-*N*- β -cyanoethylanilides: *X*-ray structure of *N*-(β -cyanoethyl)-2'-chloromaleanilic acid **J. Gonzalez Rodriguez, Laureano Canoira, C. Esteban Calderon, M. Martinez-Ripoll, and S. García Blanco**
- 205 Crystal structures and conformations of shiromodiol 8-*O*-angelate and of the corresponding 6-ketone **Giovanni Appendino, Mariano Calleri, and Giacomo Chiari**
- 211 On the thermal decomposition of diazirines **Michael T. H. Liu, Michal Tencer, and Ian D. R. Stevens**
- 215 Hydrogen bonding in phenylhydrazone derivatives of benzophenone: crystal and molecular structures of benzophenone (2-nitrophenyl)hydrazone, containing an intramolecular $\text{NO}_2 \cdots \text{NH} \cdots \pi$ bifurcated hydrogen bond, and benzophenone (4-nitrophenyl)hydrazone, containing an intramolecular $\text{NH} \cdots \pi$ hydrogen bond. Comments on hydrogen bond vagaries in various types of phenylhydrazone **Michael G. B. Drew and Gerald R. Willey**
- 221 Interaction of *N*-trimethylsilylimidazole with electrophilic trimethylsilyl compounds. Part 1. Characterisation of silylimidazolium salts **Alan R. Bassindale and Tim Stout**
- 227 Interaction of *N*-trimethylsilylimidazole with electrophilic trimethylsilyl compounds. Part 2. Some exchange reactions involving bistrimethylsilylimidazolium salts **Alan R. Bassindale, Juliana C.-Y. Lau, Tim Stout, and Peter G. Taylor**
- 233 Functional micellar catalysis. Part 8. Catalysis of the hydrolysis of *p*-nitrophenyl picolinate by metal-chelating micelles containing copper(II) or zinc(II) **Roberto Fornasier, Daria Milani, Paolo Scrimin, and Umberto Tonellato**
- 239 Photocycloaddition of 4-dimethylaminostyrene with 1-vinylpyrene or styrene **Akira Tsuchida, Masahide Yamamoto, and Yasumori Nishijima**
- 245 Formation reactions of phosphorus ylide-tetracyanoquinodimethane complexes **Shinji Tsuchiya, Shun-ichi Mitomo, Hideo Kise, and Manabu Senō**
- 249 Conformation analysis of spiranes by the force-field method. Part 1. Chirality and diastereoisomerism of spiro-compounds: spiro[5.5]undecane and derivatives **Helena Dodziuk**
- 253 Isolation and *X*-ray crystal structure of a 2:1 complex between picric acid and dibenzo-24-crown-8; an example of a sandwich structure **Howard M. Colquhoun, Simon M. Doughty, J. Fraser Stoddart, Alexandra M. Z. Slawin, and David J. Williams**
- 259 Quasi-template effect: a tool for controlling stereochemistry in acyclic systems. Attempted stereoselective synthesis of α, α' -dimethoxystilbene **Yoshihisa Inoue, Hirokazu Ikeda, and Tadao Hakushi**
- 263 Crystal structure of crispolide diacetate, a 4,14-cyclogermacranolide with a secondary peroxy ester moiety **Giacomo Chiari, Giovanni Appendino, and Gian Mario Nano**
- 267 Ion-pairing effects on the reduction of nitroarenes in propan-2-ol solutions: an electrochemical investigation **Michele Maggini, Cristina Paradisi, Gianfranco Scorrano, Salvatore Daniele, and Franco Magno**
- 271 ^1H Nuclear magnetic resonance study of methoxide addition to pyrylium and thiopyrylium cations; heteroatom and substituent effects **Giancarlo Doddi and Gianfranco Ercolani**

- 277 Reaction of a stable N · N bonded radical cation with free radicals generated by pulse radiolysis: exceedingly rapid hydrogen abstraction from C-H bonds **Roger W. Alder, Marija Bonifačić, and Klaus-Dieter Asmus**
- 285 Kinetics and mechanism of oxidation of aromatic aldehydes by peroxomonosulphate **Rajalingam Renganathan and Pichai Maruthamuthu**
- 291 Crystal and molecular structure of glyoxal bis(amidinohydrazone) dihydrochloride; biochemical aspects **Ilpo Mutikainen, Hannu Elo, and Paavo Lumme**
- 295 Structure and conformation of bioconversion products of a carboxylic ionophorous antibiotic, grisorixin, by means of two-dimensional nuclear magnetic resonance **Annie Cuer and Gérard Dauphin**
- 301 Crystal structure and absolute configuration of (–)-3-*O*-acetyl-6-bromo-3',4',5,7-tetra-*O*-methylepicatechin, a reference compound for the aromatic bonding positions of 2,3-*cis*-procyanidins **Jan C. A. Boeyens, Louis Denner, Herbert Kolodziej, Daneel Ferreira, and David G. Roux**
- 305 Spiro[3.3]alkyl and spiro[3.3]alkylmethyl radicals **Charles Roberts, John C. Walton, and Bernard Maillard**
- 313 Reactions of an allylic carbocation with nucleophiles in aqueous solvents **Alf Thibblin**
- 321 Intra- and inter-molecular hydron abstraction from allylic carbocation intermediates in aqueous solvent. Observation of a substantial deuterium isotope effect for 1,4-elimination of acetic acid from one of the ion-pair intermediates **Alf Thibblin**
- 327 The nitrous acid-catalysed nitration of *p*-nitrophenol in aqueous nitric acid. Kinetic evidence for reaction through the *p*-nitrophenoxyl radical **Mohamed Ali and John H. Ridd**
- 333 The relative acidities of 4-nitro-, 2,4-dinitro-, and 2,4,6-trinitro-toluene **Jacques Lelievre, Patrick G. Farrell, and François Terrier**
- 337 Temperature-dependent hyperfine splitting constants in the electron spin resonance spectra of some thienylmethanone radical anions **Christopher J. Leach and Brian J. Tabner**
- 343 Thermotropic compounds having two terminal mesogenic units and central spacers. Part 7. Homologous α,ω -bis-*p*-(4-alkoxyphenoxy)alkanes **Jung-Il Jin, Heung-Tak Oh, and Joo-Hoon Park**
- 349 A ^1H , ^{13}C , and ^{19}F nuclear magnetic resonance study of rotational isomerism and long-range coupling in methyl (1*S*,5*R*,7*R*)-1-ethyl-3-oxo-6-trifluoroacetyl-2,8-dioxo-6-azabicyclo[3.2.1]octane-7-carboxylate **Jeremy R. Everett, John Sydney Davies, and John W. Tyler**

AUTHOR INDEX

- Alder, Roger W., 277
Ali, Mohamed, 327
Appendino, Giovanni, 205, 263
Asmus, Klaus-Dieter, 277
Bassindale, Alan R., 221, 227
Blanco, S. Garcia, 199
Boeyens, Jan C. A., 301
Bonifačić, Marija, 277
Calderon, C. Esteban, 199
Calleri, Mariano, 205
Canoira, Laureano, 199
Chiari, Giacomo, 205, 263
Colquhoun, Howard M., 253
Cuer, Annie, 295
Daniele, Salvatore, 267
Dauphin, Gérard, 295
Davies, John Sydney, 349
Denner, Louis, 301
Doddi, Giancarlo, 271
Dodziuk, Helena, 249
Doughty, Simon M., 253
Drew, Michael G. B., 215
Elo, Hannu, 291
Ercolani, Gianfranco, 271
Everett, Jeremy R., 349
Farrell, Patrick G., 333
Ferreira, Daneel, 301
Fornasier, Roberto, 233
Hakushi, Tadao, 259
Ikeda, Hirokazu, 259
Inoue, Yoshihisa, 259
Jin, Jung-II, 343
Kise, Hideo, 245
Kolodziej, Herbert, 301
Lau, Juliana C.-Y., 227
Leach, Christopher J., 337
Lelievre, Jacques, 333
Liu, Michael T. H., 211
Lumme, Paavo, 291
Maggini, Michele, 267
Magno, Franco, 267
Maillard, Bernard, 305
Martinez-Ripoll, M., 199
Maruthamuthu, Pichai, 285
Milani, Daria, 233
Mitomo, Shun-ichi, 245
Mutikainen, Ilpo, 291
Nano, Gian Mario, 263
Nishijima, Yasunori, 239
Oh, Heung-Tak, 343
Paradisi, Cristina, 267
Park, Joo-Hoon, 343
Renganathan, Rajalingam, 285
Ridd, John H., 327
Roberts, Charles, 305
Rodriguez, J. Gonzalez, 199
Roux, David G., 301
Scorrano, Gianfranco, 267
Scrimin, Paolo, 233
Senō, Manabu, 245
Slawin, Alexandra M. Z., 253
Stevens, Ian D. R., 211
Stoddart, J. Fraser, 253
Stout, Tim, 221, 227
Tabner, Brian J., 337
Taylor, Peter G., 227
Tencer, Michal, 211
Terrier, François, 333
Thibblin, Alf, 313, 321
Tonellato, Umberto, 233
Tsuchida, Akira, 239
Tsuchiya, Shinji, 245
Tyler, John W., 349
Walton, John C., 305
Willey, Gerald R., 215
Williams, David J., 253
Yamamoto, Masahide, 239

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

