

ARKIVOC Volume 2005

Part (iv): Commemorative Issue in Honor of Prof. Nikolai Zefirov on the occasion of his 70th anniversary

Facilitator: Vladimir A. Palyulin  
Scientific Editor: Christian V. Stevens

**1. A Tribute to Prof. Nikolai Zefirov (NZ-494JT)**

*Vladimir A. Palyulin*

Full Text: [PDF \(236K\)](#)

pp. 1 - 7

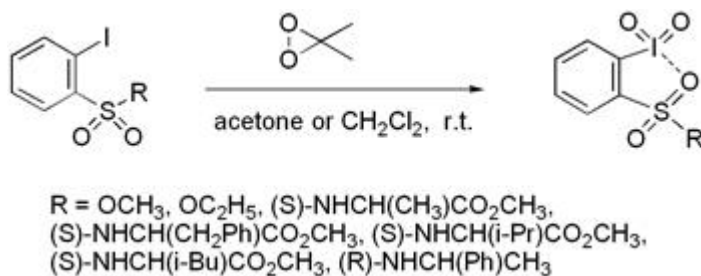
accepted Jun 17 2004; published Jun 21 2004;

**2. Derivatives of 2-iodoxybenzenesulfonic acid: new pseudocyclic hypervalent iodine reagents (NZ-1175JP)**

*Viktor V. Zhdankin, Rostyslav N. Goncharenko, Dmitry N. Litvinov and Alexey Y. Kuposov*

Full Text: [PDF \(146K\)](#)

pp. 8 - 18



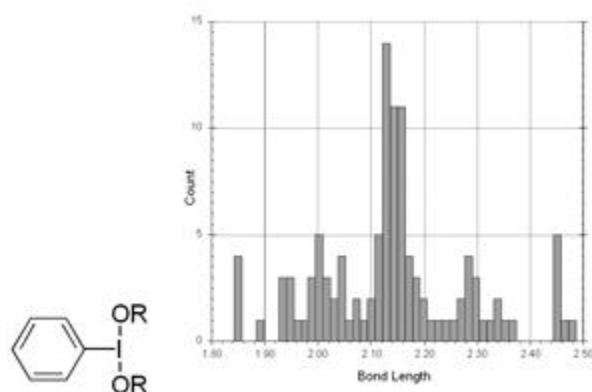
received Jul 11 2004; accepted Sep 3 2004; published Sep 14 2004;

**3. The nature of iodine oxygen bonds in hypervalent 10-I-3 iodine compounds (NZ-1185JP)**

*Paul Kiprof*

Full Text: [PDF \(278K\)](#)

pp. 19 - 25



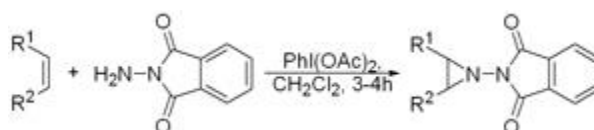
received Jul 26 2004; accepted Sep 23 2004; published Oct 14 2004;

#### 4. Phenyliodine(III) diacetate as a mild oxidant for aziridination of olefins and imination of sulfoxides with *N*-aminophthalimide (NZ-1238JP)

Larisa B. Krasnova, Ryan M. Hili, Olga V. Chernoloz and Andrei K. Yudin

Full Text: [PDF \(134K\)](#)

pp. 26 - 38



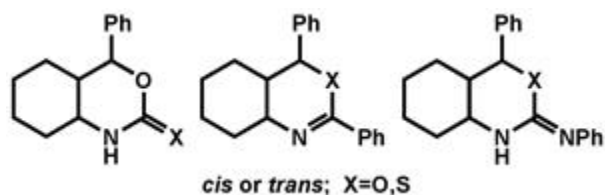
received Sep 29 2004; accepted Dec 10 2004; published Dec 18 2004;

#### 5. Stereochemical effects in the EI mass spectra of *cis*- and *trans*-fused hexahydro-3,1-benzoxazines and $\hat{\text{A}}$ -benzothiazines (NZ-1239JP)

Pentti Oksman, P  ter Csom  s, Ferenc F  l  p, Vladimir Ovcharenko and Kalevi Pihlaja

Full Text: [PDF \(165K\)](#)

pp. 39 - 48



received Oct 5 2004; accepted Dec 20 2004; published Jan 1 2005;

**6. Recent developments in guanylyating agents (NZ-1256JR)**

*Alan R. Katritzky and Borys V. Rogovoy*

Full Text: [PDF \(284K\)](#)

**pp. 49 - 87**

# A review with 56 references

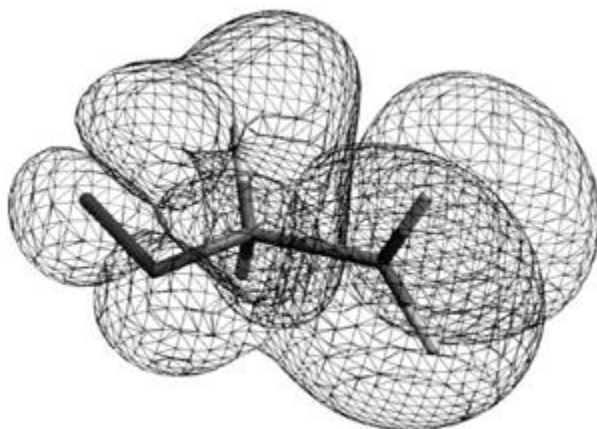
received Oct 26 2004; accepted Jan 8 2005; published Jan 5 2005;

**7. Toward parameterization of spin-orbit coupling in triplet organic diradicals separated by a partially conjugated spacer (NZ-1333JP)**

*Andrei G. Kutateladze and William A. McHale, Jr.*

Full Text: [PDF \(462K\)](#)

**pp. 88 - 101**



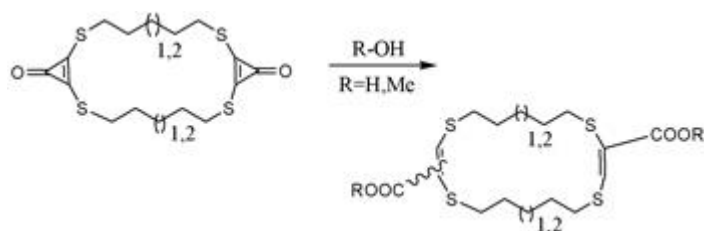
received Jan 4 2005; accepted Feb 10 2005; published Feb 26 2005;

**8. Ring opening reactions of tetrathiacyclopropenonophanes and the subsequent formation of a molecular box stabilised by hydrogen bonds (NZ-1285JP)**

*Daniel B. Werz, Frank Rominger and Rolf Gleiter*

Full Text: [PDF \(347K\)](#)

**pp. 102 - 109**



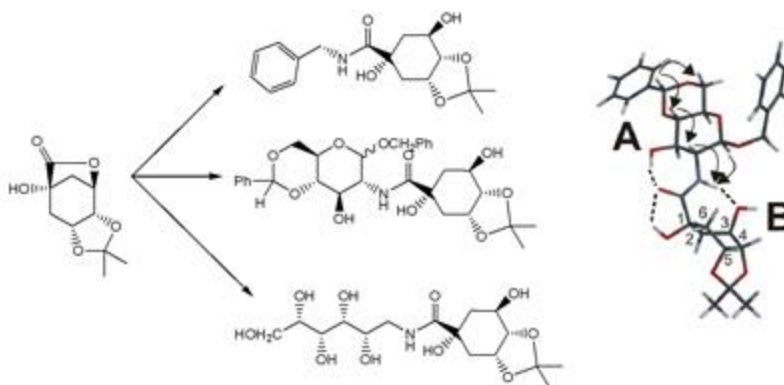
received Nov 25 2004; accepted Feb 3 2005; published Mar 4 2005;

### 9. Synthesis and NMR-characterization of three quinamide-based disaccharide mimetics with unusual cyclohexane twist-conformation (NZ-1370JP)

Thuy T. Nguyen, Paul H. Gross, Andreas H. Franz

Full Text: [PDF \(889K\)](#)

pp. 110 - 128



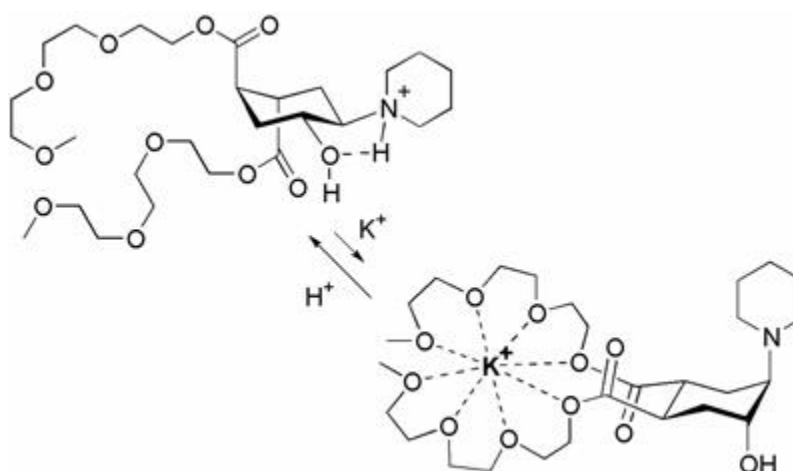
received Feb 20 2005; accepted Apr 15 2005; published Apr 22 2005;

### 10. *Trans*-2-aminocyclohexanols as pH-triggered molecular switches (NZ-1346JP)

Vyacheslav V. Samoshin, Dmitriy E. Gremyachinskiy, Vyacheslav A. Chertkov, Barbora Brazdova, Elena K. Dobretsova, Alla K. Shestakova, Lidia P. Vatlina, Hans-Jörg Schneider

Full Text: [PDF \(195K\)](#)

pp. 129 - 141



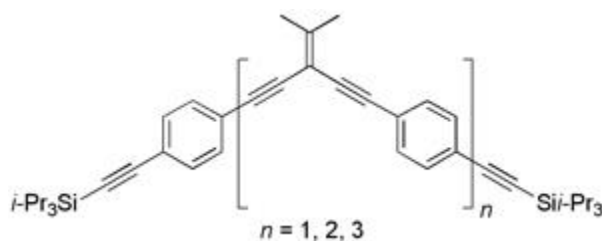
received Dec 24 2004; accepted Apr 21 2005; published May 6 2005;

### 11. Synthesis and characterization of cross-conjugated oligo(phenylene enynylene)s (NZ-1369JP)

Joon Cho, Yuming Zhao and Rik R. Tykwinski

Full Text: [PDF \(182K\)](#)

pp. 142 - 150



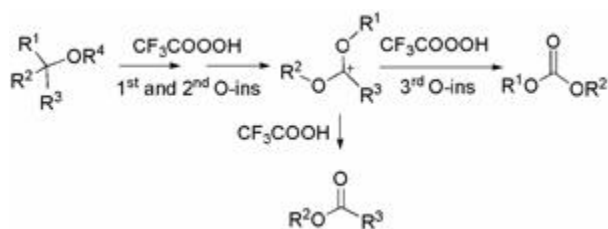
received Feb 17 2005; accepted Apr 22 2005; published May 12 2005;

### 12. Trifluoroacetic acid in consecutive Criegee rearrangement and carboxonium ions generation (NZ-1517JR)

Pavel A. Krasutsky, Igor V. Kolomitsyn

Full Text: [PDF \(188K\)](#)

pp. 151 - 171



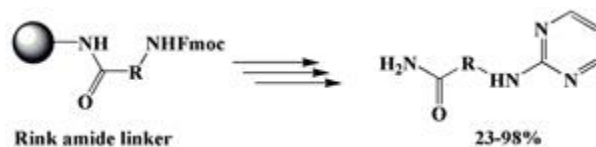
received Apr 14 2005; accepted May 11 2005; published May 18 2005;

### 13. Solid-phase synthesis of *N*-(pyrimidin-2-yl)amino acids amides (NZ-1364JP)

Denis S. Ermolat'ev, Eugene V. Babaev

Full Text: [PDF \(237K\)](#)

pp. 172 - 178



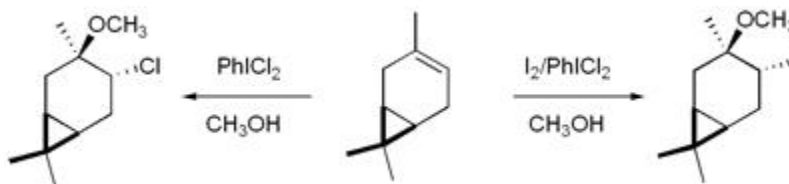
received Feb 10 2005; accepted May 18 2005; published May 19 2005;

### 14. Halomethoxylation of monoterpenes using (dichloroiodo)benzene (NZ-1520JP)

Mehman S. Yusubov, Larisa A. Drygunova, Alexey V. Tkachev and Viktor V. Zhdankin

Full Text: [PDF \(188K\)](#)

pp. 179 - 188



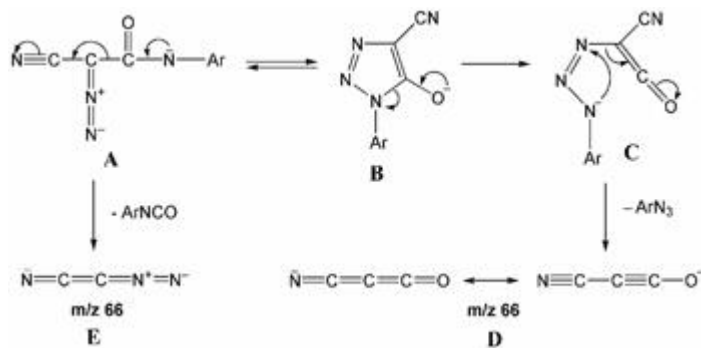
received Apr 22 2005; accepted May 25 2005; published May 27 2005;

### 15. The gas phase cyclization of deprotonated *N*-aryl-2-diazo-2-cyanoacetamides (NZ-1527JP)

Vladislav V. Lobodin, Yuriy Yu. Morzherin, Tom Blumenthal, Daniel Bilusich, Vladimir V. Ovcharenko, John H. Bowie and Albert T. Lebedev

Full Text: [PDF \(305K\)](#)

pp. 189 - 198



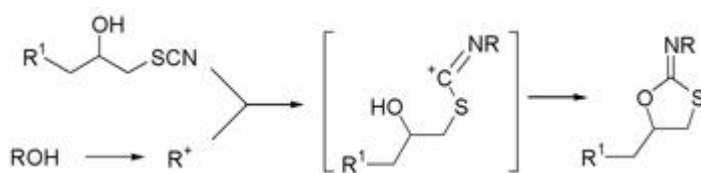
received Apr 29 2005; accepted Jun 7 2005; published Jun 17 2005;

## 16. Synthesis and *cis/trans* isomerism of *N*-alkyl-1,3-oxathiolane-2-imines (NZ-1526JP)

Andrey K. Shirayev, Igor K. Moiseev, Sergey S. Karpeev

Full Text: [PDF \(465K\)](#)

pp. 199 - 207



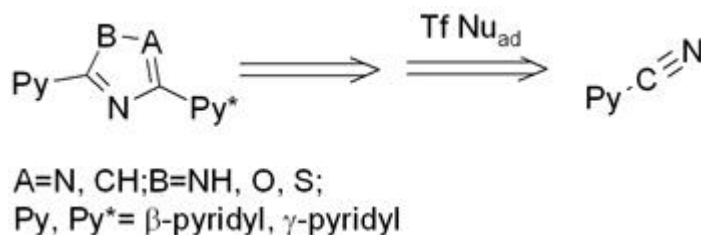
received Apr 29 2005; accepted Jul 5 2005; published Jul 18 2005;

## 17. The synthetic pathways to a family of pyridine-containing azoles - promising ligands for coordination chemistry (NZ-1534JP)

Vyatsheslav N. Nuriev, Nikolay V. Zyk and Sergey Z. Vatsadze

Full Text: [PDF \(207K\)](#)

pp. 208 - 224



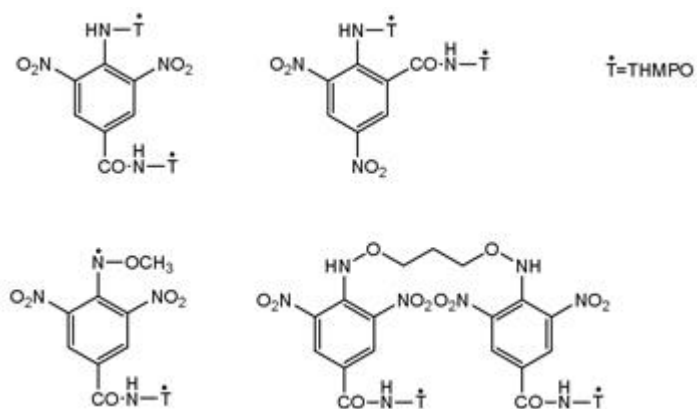
received May 11 2005; accepted Aug 13 2005; published Aug 22 2005;

### 18. Synthesis and properties of dinitrobenzamido-TEMPO derivatives (NZ-1529JP)

Madalina Tudose, Petre Ionita, Florin Dumitrascu, Constantin Draghici, Miron T. Caproiu, Irina C. Covaci, Titus Constantinescu, Mircea D. Banciu and Alexandru T. Balaban

Full Text: [PDF \(324K\)](#)

pp. 225 - 237



received May 4 2005; accepted Aug 15 2005; published Aug 22 2005;