

ARKIVOC Volume 2006

Part (iii): Commemorative Issue in Honor of Prof. Jim Coxon on the occasion of his 65th anniversary

Facilitator: Margaret A. Brimble

Scientific Editor: Christopher A. Ramsden

**1. A Tribute to Prof. Jim Coxon (JC-1407ET)**

*Margaret Brimble and Peter Steel*

Full Text: [PDF \(177K\)](#)

pp. 1 - 5

accepted Jun 25 2005; published Jun 30 2005;

**2. Epoxides and aziridines - a mini review (JC-1522ER)**

*Albert Padwa, Shaun Murphree*

Full Text: [PDF \(379K\)](#)

pp. 6 - 33

# A review with 79 references

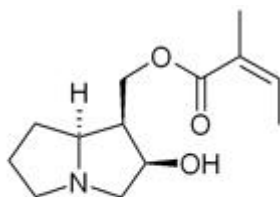
received Apr 26 2005; accepted Jul 5 2005; published Jul 18 2005;

**3. The alkaloids of *Brachyglottis hectorii* (JC-1551EP)**

*Yili Bai, Michael Benn, Norma Duke, Waseem Gul, Yan Huang and Heinrich R  ger*

Full Text: [PDF \(125K\)](#)

pp. 34 - 42



Hectorine

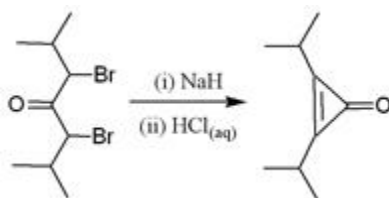
received Jun 9 2005; accepted Jul 19 2005; published Jul 26 2005;

**4. Synthesis of diisopropylcyclopropenone and X-ray structure of its dichlorodimethyltin(IV) adduct (JC-1562EP)**

*Owen J. Curnow, Glen M. Fern and Robert J. Pipal*

Full Text: [PDF \(186K\)](#)

pp. 43 - 47



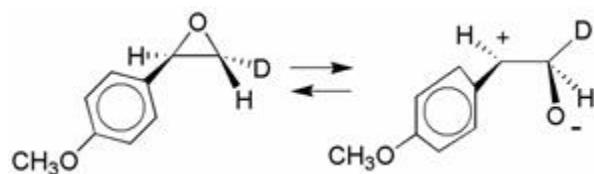
received Jun 22 2005; accepted Jul 11 2005; published Aug 17 2005;

**5. Kinetic deuterium isotope effects on the reactions of 4-methoxystyrene oxide in water solution (JC-1586EP)**

*Victoria C. Ukachukwu, Ram S. Mohan and Dale L. Whalen*

Full Text: [PDF \(185K\)](#)

pp. 48 - 58



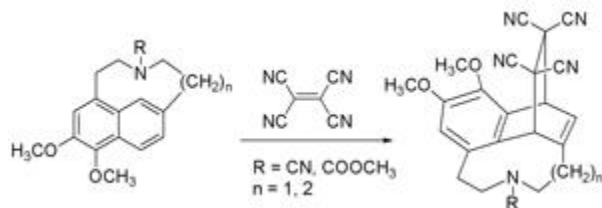
received Jun 30 2005; accepted Jul 10 2005; published Aug 17 2005;

**6. Novel polycyclic Diels-Alder adducts from ring distorted 3-aza[5] and 3-aza[6] (1,7) naphthalenophanes (JC-1584EP)**

*John B Bremner and Wasna Jaturonrusmee*

Full Text: [PDF \(393K\)](#)

pp. 59 - 71



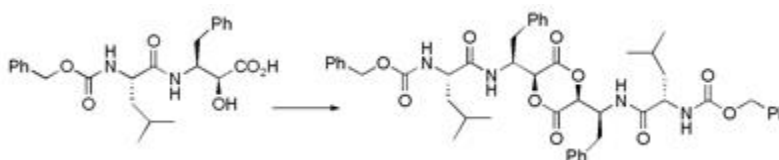
received Jun 29 2005; accepted Aug 18 2005; published Aug 26 2005;

### 7. Synthesis of a [1,4]dioxane-2,5-dione based-peptidomimetic scaffold (JC-1595EP)

Andrew D. Abell and Andrew J. Harvey

Full Text: [PDF \(228K\)](#)

pp. 72 - 76



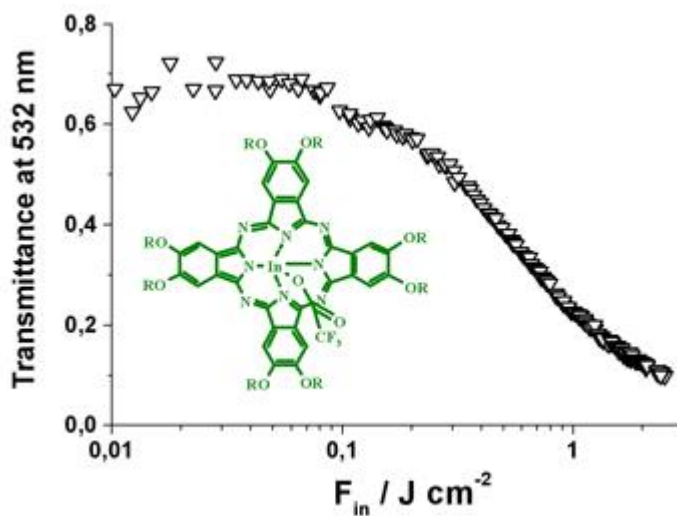
received Jul 7 2005; accepted Aug 18 2005; published Aug 26 2005;

### 8. Synthesis of axially substituted gallium, indium and thallium phthalocyanines with nonlinear optical properties (JC-1597EP)

Danilo Dini, Mario J.F. Calvete, Michael Hanack, Weizhe Chen, Wei Ji

Full Text: [PDF \(492K\)](#)

pp. 77 - 96

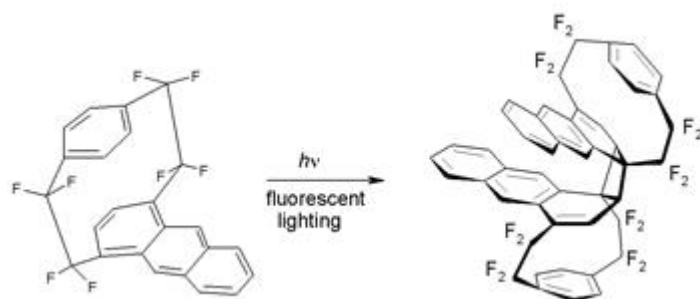


received Jul 9 2005; accepted Aug 18 2005; published Aug 26 2005;

### 9. An unprecedented photodimerization of an anthraceno[2.2]paracyclophane (JC-1598EP)

William R. Dolbier, Jr., Yi-An Zhai, Merle A. Battiste, Khalil A. Abboud, Ion Ghiviriga and Kai Wu

Full Text: [PDF \(290K\)](#)  
pp. 97 - 103



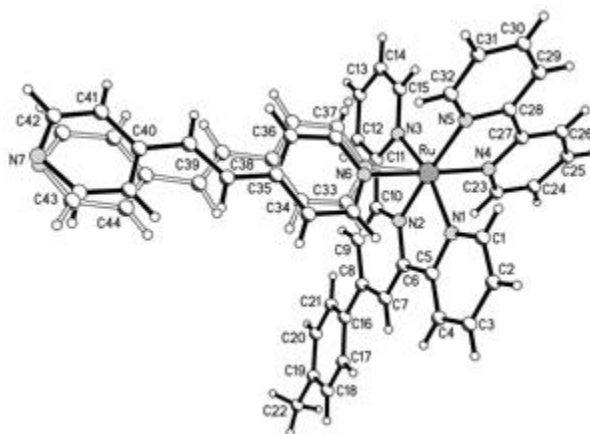
received Jul 8 2005; accepted Aug 16 2005; published Aug 26 2005;

### 10. Synthesis and structural characterization of some polypyridyl and polypyrazolyl Ru(II) complexes (JC-1593EP)

*Richard M. Hartshorn and Ramin Zibaseresht*

Full Text: [PDF \(901K\)](#)

pp. 104 - 126



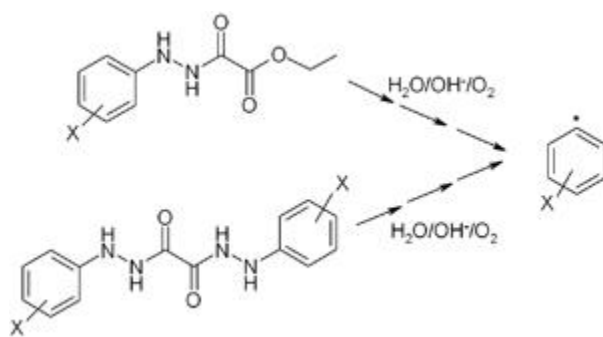
received Jul 5 2005; accepted Aug 26 2005; published Sep 1 2005;

### 11. Mechanistic studies on the free radical decomposition of some oxalic acid arylhydrazides: a source of aryl radicals in aqueous solution (JC-1599EP)

*Bruce C Gilbert, Petre Ionita, John R Lindsay Smith, John Oakes and Niels Ouwerkerk*

Full Text: [PDF \(507K\)](#)

pp. 127 - 147



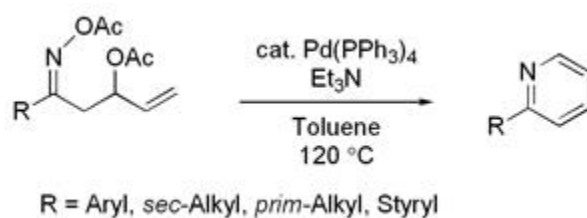
received Jul 11 2005; accepted Aug 26 2005; published Sep 1 2005;

**12. Palladium(0)-catalyzed synthesis of pyridines from  $\beta$ -acetoxy- $\gamma,\delta$ -unsaturated ketone oximes (JC-1563EP)**

Mitsuru Kitamura, Daisuke Kudo and Koichi Narasaka

Full Text: [PDF \(516K\)](#)

pp. 148 - 162



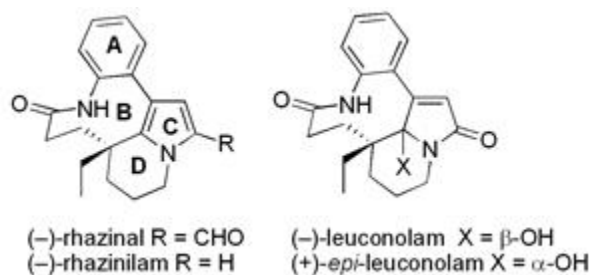
received Jun 22 2005; accepted Sep 7 2005; published Sep 10 2005;

**13. Enantioselective total syntheses of the alkaloids (-)-rhazinal, (-)-rhazinilam, (-)-leuconolam and (+)-epi-leuconolam (JC-1602EP)**

Martin G. Banwell, Daniel A. S. Beck and Anthony C. Willis

Full Text: [PDF \(362K\)](#)

pp. 163 - 174



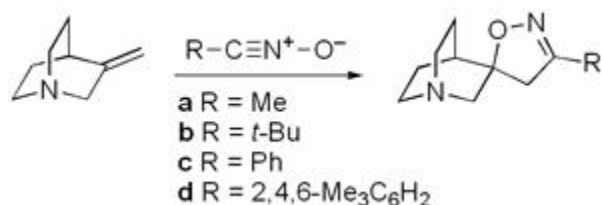
received Jul 13 2005; accepted Sep 7 2005; published Sep 10 2005;

**14. Synthesis of spiroisoxazolines through cycloadditions of nitrile oxides with 3-methylenequinuclidine (JC-1605EP)**

*Connie K. Y. Lee, Christopher J. Easton, G. Paul Savage and Gregory W. Simpson*

Full Text: [PDF \(289K\)](#)

pp. 175 - 183



received Jul 15 2005; accepted Sep 8 2005; published Sep 10 2005;

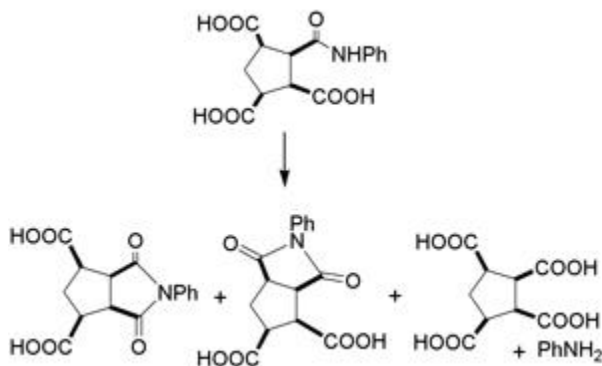
**15. Synthesis, structure, and reactivity of the 2,3- and 3,4-*N*-phenyl imides and the 3-*N*-phenyl amide of *all-cis*-cyclopentane-1,2,3,4-tetracarboxylic acid (JC-1582EP)**

*N. Guy Billett, Andrew T. Phillis, Lyndsay Main, Brian K. Nicholson, William A. Denny and Michael P. Hay*

Full Text: [PDF \(316K\)](#)

Supplementary Material: [PDF \(155K\)](#)

pp. 184 - 201



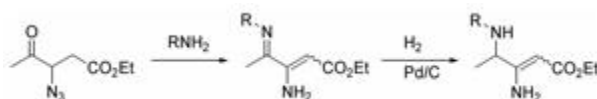
received Jun 29 2005; accepted Sep 7 2005; published Sep 12 2005;

**16. An efficient synthesis of  $\gamma$ -imino- and  $\gamma$ -amino- $\alpha,\beta$ -enamino esters (JC-1560EP)**

*Sven Manginckx, Pieter Van Vooren, David De Clerck and Norbert De Kimpe*

Full Text: [PDF \(997K\)](#)

pp. 202 - 209



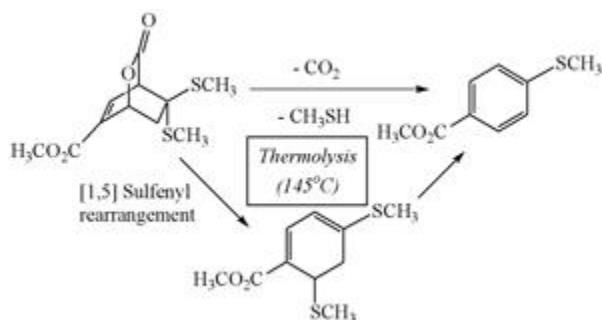
received Jun 17 2005; accepted Sep 7 2005; published Sep 12 2005;

### 17. Thermal decomposition of 1,1-bis(methylthio)ethene, pyran-2-one Diels-Alder adducts: an unusual [1,5]-sulfenyl rearrangement (JC-1590EP)

Andrew J. Pratt and Phillip M. Rendle

Full Text: [PDF \(161K\)](#)

pp. 210 - 217



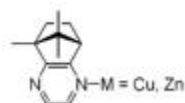
received Jul 2 2005; accepted Sep 23 2005; published Oct 6 2005;

### 18. Chiral heterocyclic ligands. XII. Metal complexes of a pyrazine ligand derived from camphor (JC-1611EP)

Christopher M. Fitchett and Peter J. Steel

Full Text: [PDF \(220K\)](#)

pp. 218 - 225



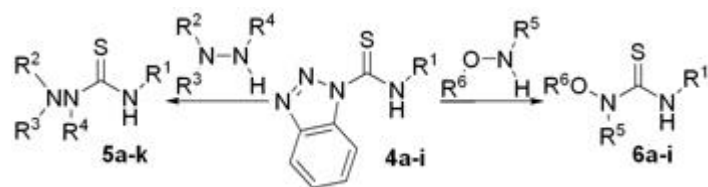
received Jul 18 2005; accepted Sep 27 2005; published Oct 7 2005;

### 19. Preparations of diversely substituted thiosemicarbazides and N-hydroxythioureas (JC-1696EP)

Alan R. Katritzky, Niveen M. Khashab and Anna V. Gromova

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

pp. 226 - 236



received Oct 20 2005; accepted Jan 15 2006; published Jan 29 2006;