

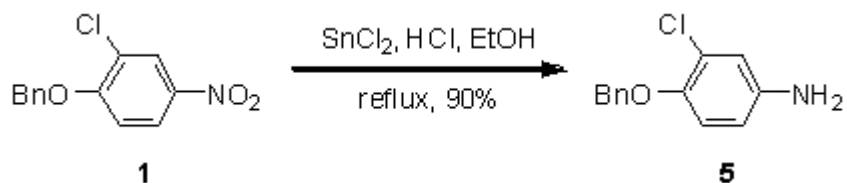
ARKIVOC Volume 2008  
Part (xiv): General Papers

**1. A safe and convenient synthesis of 4-benzyloxy-3-chloroaniline (08-2995MP)**

Hongfeng Chen, Christopher N. Nilsen, Anusuya Choudhury and Kirk L. Sorgi

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

pp. 1 - 6



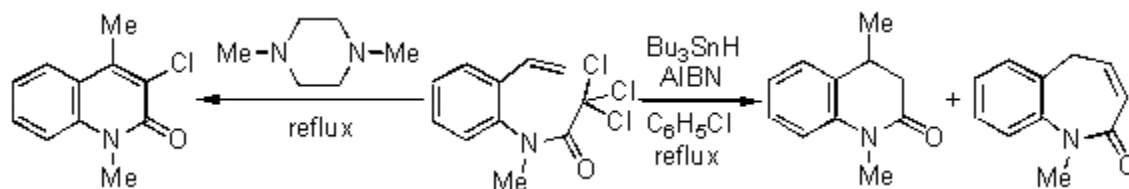
received Jan 17 2008; accepted Jul 27 2008; published Aug 24 2008;

**2. Role of 1,4-dimethylpiperazine in radical cyclizations (08-3283CP)**

Tsuyoshi Taniguchi, Ryota Kawajiri and Hiroyuki Ishibashi

Full Text: [PDF \(301K\)](#)

pp. 7 - 16



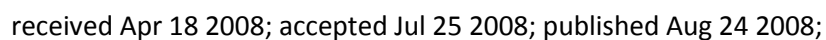
received Jun 3 2008; accepted Jul 18 2008; published Aug 24 2008;

**3. Design, synthesis and potential CNS activity of some novel 1-(4-substituted-phenyl)-3-(4-oxo-2-propyl-4H-quinazolin-3-yl)-urea (08-3186MP)**

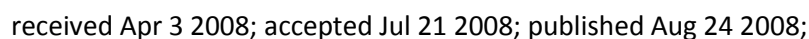
Sushil K. Kashaw, Varsha Kashaw, Pradeep Mishra and N. K. Jain

Full Text: [PDF \(226K\)](#)

pp. 17 - 26



**pp. 27 - 36**



**pp. 37 - 49**

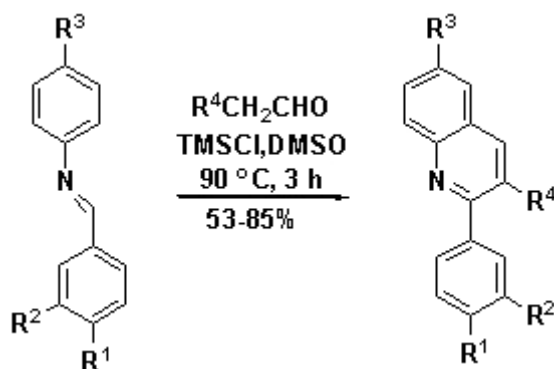


**6. TMSCl-Catalyzed synthesis of substituted quinolines from arylimines and enolizable aldehydes (08-3263JP)**

*Xin Geng, Shuangshuang Li, Xiaoqin Bian, Zengyang Xie and Cunde Wang*

Full Text: [PDF \(216K\)](#)

pp. 50 - 57



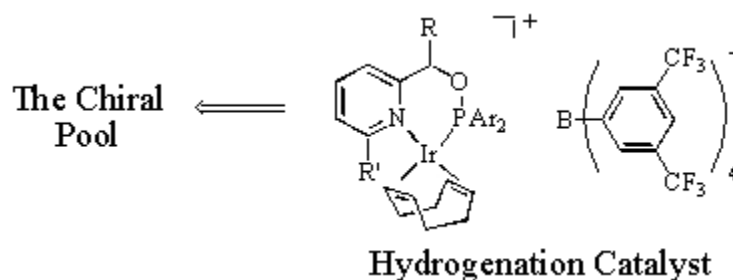
received May 25 2008; accepted Aug 14 2008; published Aug 29 2008;

**7. Iridium-catalyzed asymmetric hydrogenation of olefins using pyridine-phosphinites derived from the chiral pool (08-3386UP)**

*Raivis Zalubovskis, Esther HÄrrmann, Andreas Pfaltz and Christina Moberg*

Full Text: [PDF \(226K\)](#)

pp. 58 - 66



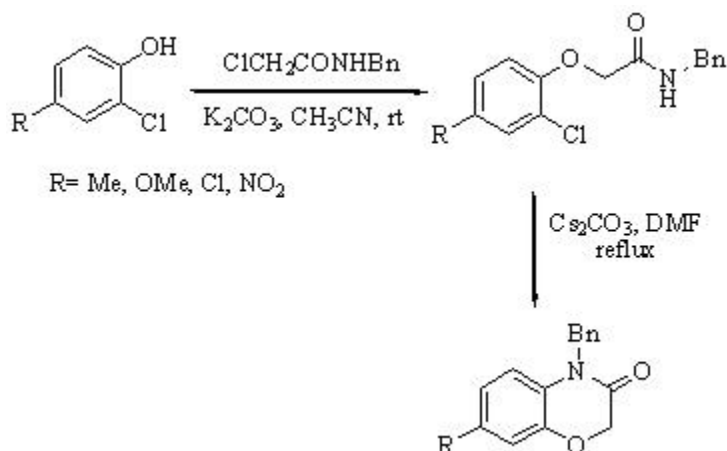
received Jul 18 2008; accepted Aug 14 2008; published Aug 29 2008;

**8. An efficient synthesis of 2H-1,4-benzoxazin-3(4H)-ones via Smiles rearrangement (08-3147AP)**

*Jongphil Kang, Kyeong-Hee Kam, Manjunath Ghate, Zuo Hua, Tae-Hyun Kim, Ch. Raji Reddy, S. Chandrasekhar and Dong-Soo Shin*

Full Text: [PDF \(226K\)](#)

pp. 67 - 76



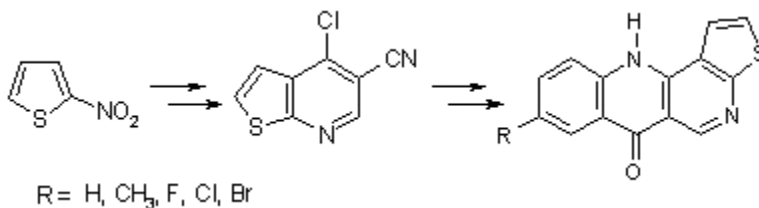
received Mar 26 2008; accepted Jul 21 2008; published Aug 29 2008;

### 9. Synthesis of new 4-(phenylamino)thieno[2,3-*b*]pyridines and derivatives of the novel benzo[*b*]thieno[3,2-*h*][1,6]naphthyridine tetracyclic system (08-3119AP)

Luiz C. S. Pinheiro, J  lio C. Borgesa, C  sar D. Oliveira, Vitor F. Ferreira, Gilberto A. Romeiro, Isakelly P. Marques, Paula A. Abreu, Izabel C. P. P. Frugulheti, Carlos R. Rodrigues, Magaly G. Albuquerque, Helena C. Castro, and Alice M. R. Bernardino

Full Text: [PDF \(256K\)](#)

pp. 77 - 87



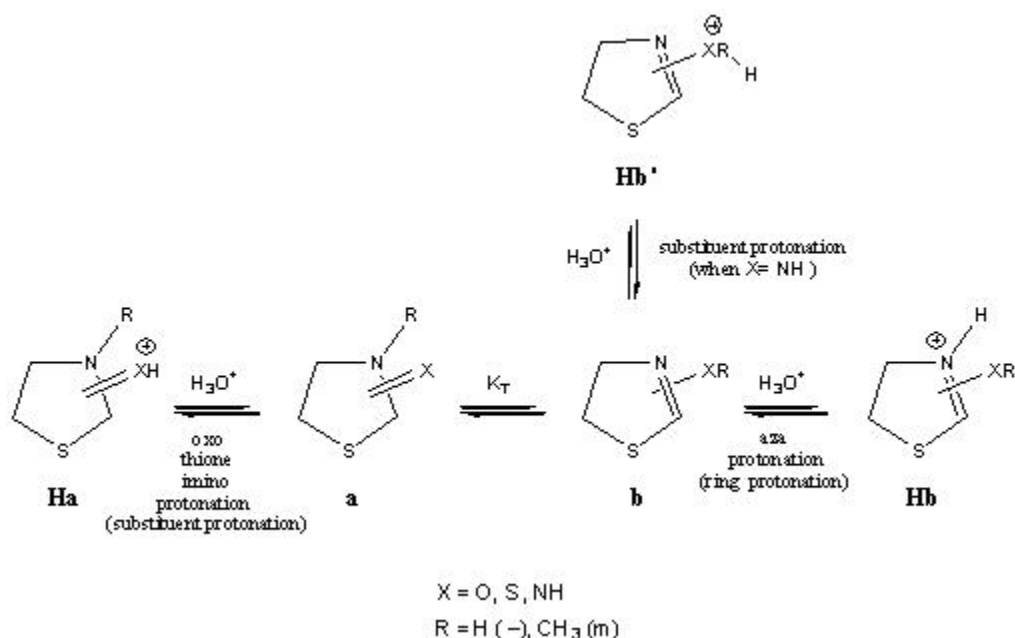
received Mar 17 2008; accepted Jul 21 2008; published Aug 29 2008;

### 10. Quantum chemical studies on some potentially tautomeric thiazolidinone derivatives and their thio and azo analogs (08-2802MP)

Nesrin Tokay and Cemil   retir

Full Text: [PDF \(259K\)](#)

pp. 88 - 99



received Oct 3 2007; accepted Jul 24 2008; published Aug 29 2008;

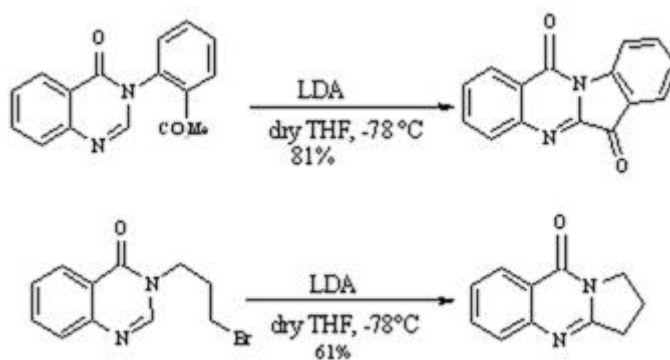
### 11. Synthesis of tryptanthrin and deoxyvasicinone by a regioselective lithiation-intramolecular electrophilic reaction approach (08-3262HP)

Taterao M. Potewar, Sachin A. Ingale and Kumar V. Srinivasan

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

Supplementary Material: [PDF \(292K\)](#)

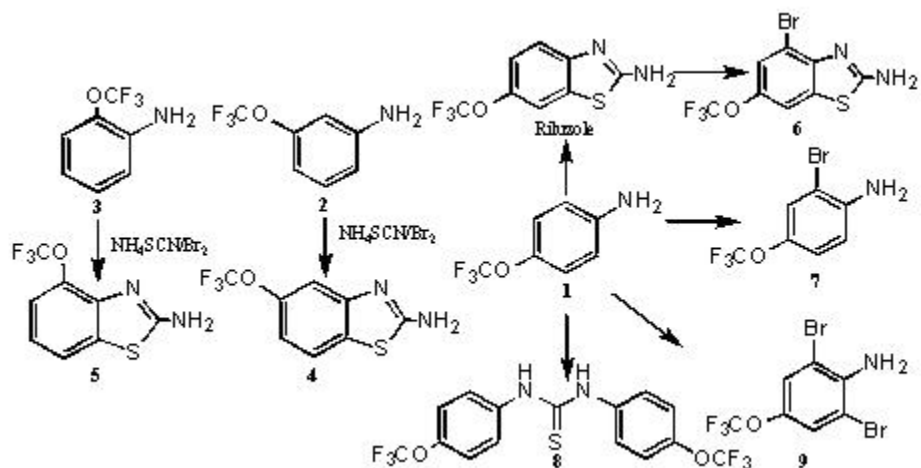
pp. 100 - 108



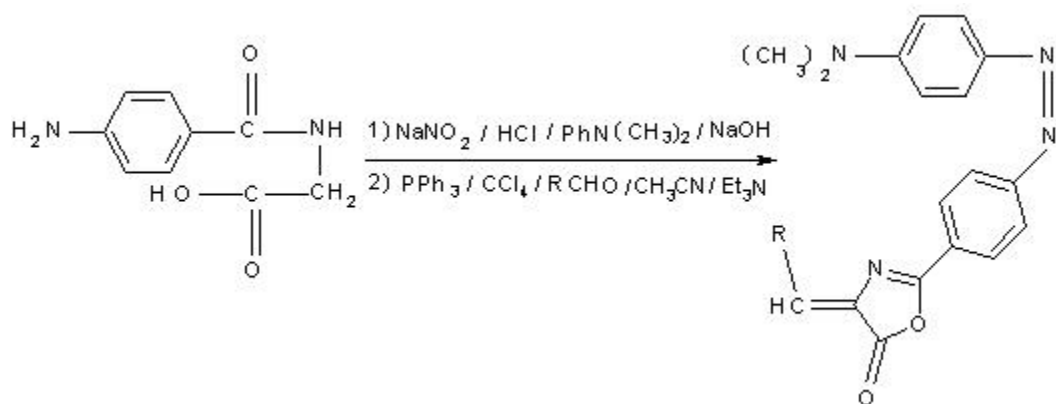
received May 25 2008; accepted Jul 27 2008; published Aug 29 2008;

### 12. Synthesis and spectral characterization of related compounds of riluzole, an amyotrophic lateral sclerosis drug substance (08-3403UP)

**pp. 109 - 114**



**pp. 115 - 123**



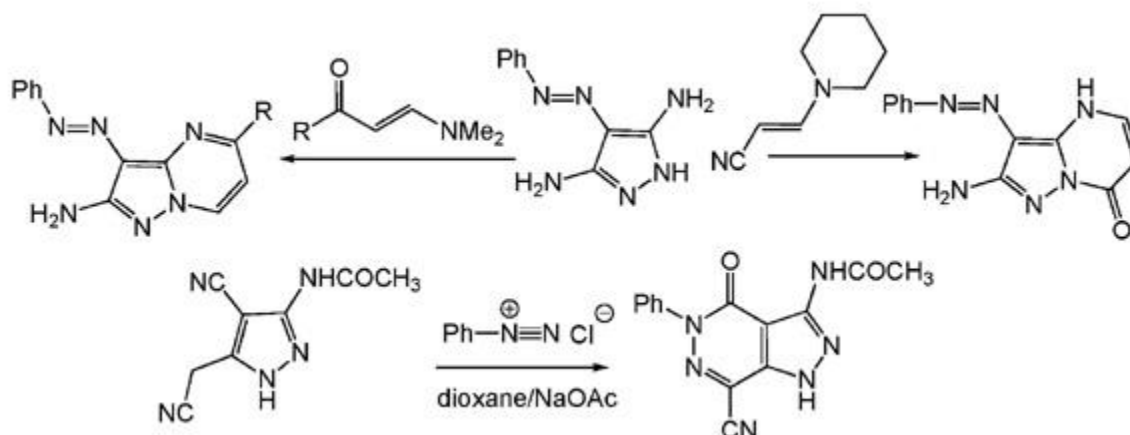
received May 7 2008; accepted Sep 11 2008; published Oct 2 2008;

**14. Regio-orientation in condensation of aminopyrazoles with 1,3-difunctional reagents: synthesis of new pyrazolo[1,5-*a*]pyrimidines; pyrazolo[3,4-*d*]pyridazines and 2,4-dihydropyrano[2,3-*c*]pyrazoles** (08-3311UP)

*Ayat Elkholy, Fawzia Al-Qalaf and Mohamed Hilmy Elnagdi*

Full Text: [PDF \(366K\)](#)

pp. 124 - 131



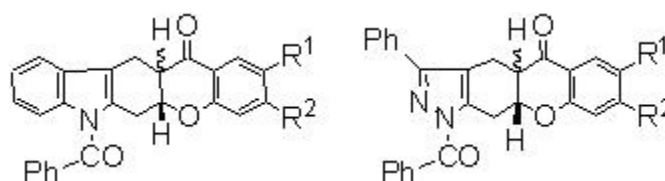
received Jun 15 2008; accepted Aug 25 2008; published Oct 2 2008;

**15. Synthesis of chromeno[2,3-*b*]carbazole and chromeno[3,2-*f*]indazole derivatives. A new class of indole- and pyrazole-fused polycyclic compounds using o-quinodimethane chemistry. A reactivity and regioselectivity computational study** (08-3393CP)

*Michalis A. Terzidis, Constantinos A. Tsoleridis and Julia Stephanidou-Stephanatou*

Full Text: [PDF \(1,020K\)](#)

pp. 132 - 157



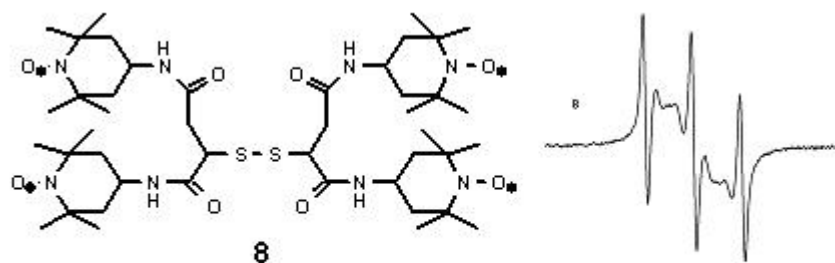
received Jul 22 2008; accepted Sep 11 2008; published Oct 2 2008;

**16. Synthesis and characterisation of several di-, tri-, and tetra- radicals linked by flexible or rigid linkers** (08-3347GP)

*Miron T. Caproiu, Gabriela Ionita, Constantin Draghici and Petre Ionita*

Full Text: [PDF \(277K\)](#)

pp. 158 - 165



ESR spectrum of compound 8

received Jul 2 2008; accepted Sep 16 2008; published Oct 2 2008;

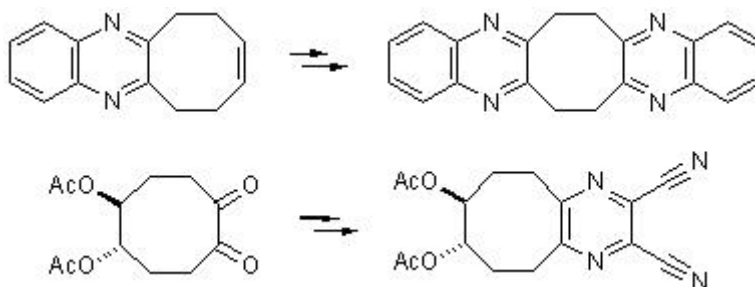
### 17. Synthesis of some cyclooctane-based pyrazines and quinoxalines (08-3303CP)

*Mostafa Honari Alamdari, Madeleine Helliwell, Mehdi M. Baradarani and John A. Joule*

Full Text: [PDF \(422K\)](#)

Supplementary Material: [PDF \(127K\)](#)

pp. 166 - 179



received Jun 13 2008; accepted Aug 25 2008; published Oct 10 2008;

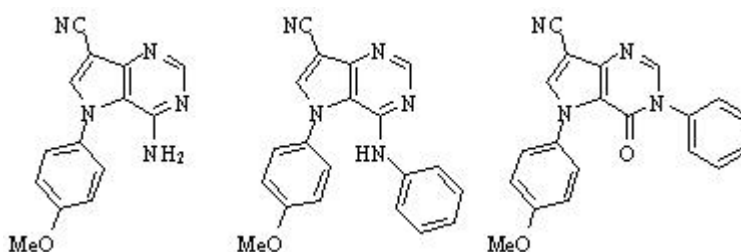
### 18. 3-Aminopyrroles and their application in the synthesis of pyrrolo[3,2-*d*]pyrimidine (9-deazapurine) derivatives (08-3253GP)

*Abdellatif M. Salaheldin, Ana M. F. Oliveira-Campos and LÃgia M. Rodrigues*

Full Text: [PDF \(253K\)](#)

pp. 180 - 190





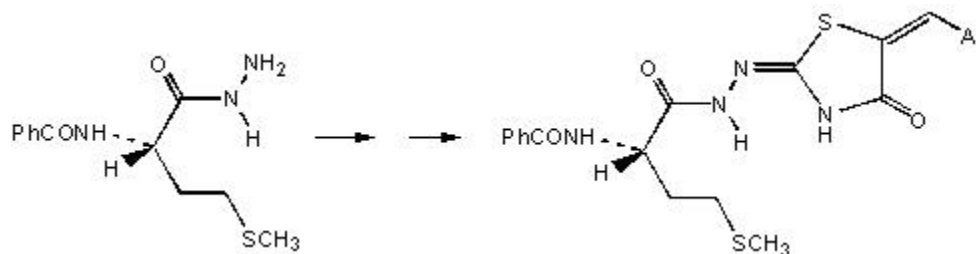
received May 21 2008; accepted Oct 7 2008; published Oct 15 2008;

**19. Synthesis, characterization and screening of antimicrobial, antituberculosis, antiviral and anticancer activity of novel 1,3-thiazolidine-4-ones derived from 1-[2-(benzoylamino)-4-(methylthio)butyryl]-4-alkyl/arylalkyl thiosemicarbazides (08-3296AP)**

*Esra Tatar, İlkay Kâşıkçızade, Erik De Clercq, Fikrettin Şahin and Medine Gâllıce*

Full Text: [PDF \(351K\)](#)

pp. 191 - 210



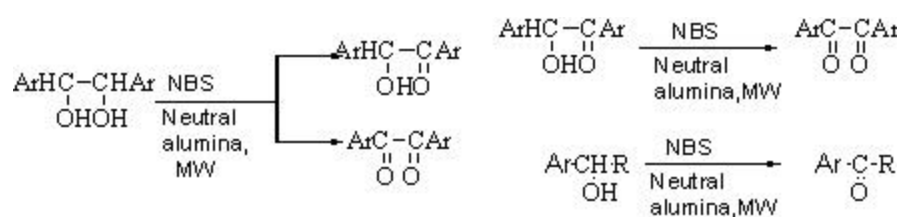
received Jun 10 2008; accepted Oct 6 2008; published Oct 17 2008;

**20. Microwave assisted solvent free oxidation of hydrobenzoins, benzoins and alcohols with NBS  $\text{Al}_2\text{O}_3$  (08-3349HP)**

*Jitender M. Khurana and Reema Arora*

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

pp. 211 - 215



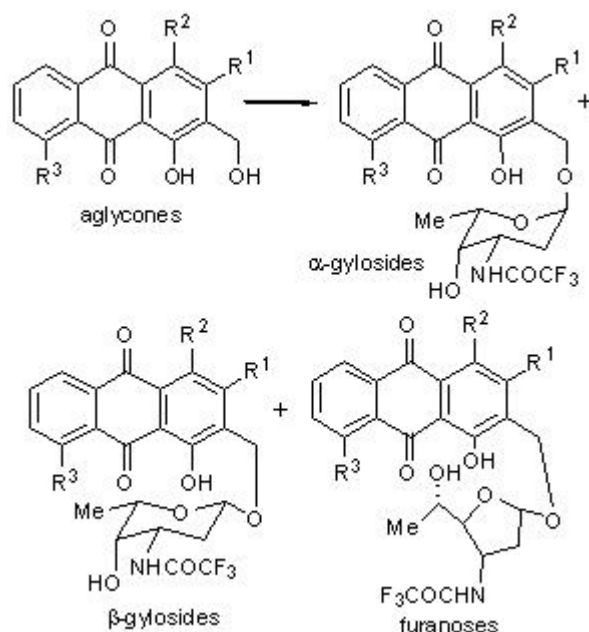
received Jul 3 2008; accepted Sep 16 2008; published Oct 17 2008;

## 21. Synthesis of daunosamyl anthraquinone and anthracyclinone analogues (08-3368HP)

Karsten Krohn, Gabriele Carlson, Hannelore KÄ¶hle, Hidayat Hussain and Ivan R. Green

Full Text: [PDF \(336K\)](#)

pp. 216 - 233



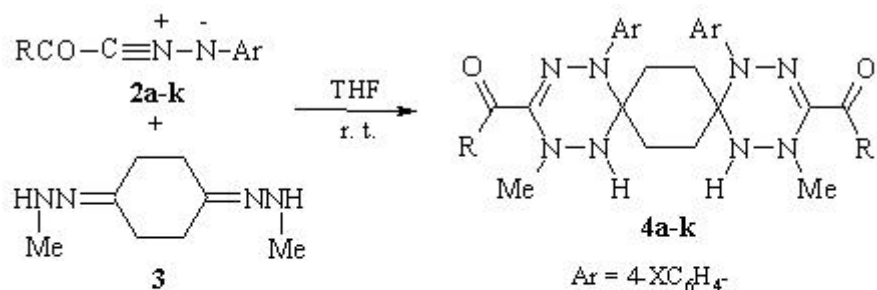
received Jul 10 2008; accepted Sep 13 2008; published Oct 17 2008;

## 22. Synthesis of nitrogen-containing dispiroheterocycles (1) using nitrilimines (08-3389AP)

Hany M. Dalloul

Full Text: [PDF \(203K\)](#)

pp. 234 - 241



Entry	a	b	c	d	e	f	g	h	i	j	k
R	Me	Me	MeO	Ph-	PhNH-	PhNH-	PhNH-	2-C <sub>10</sub> H <sub>7</sub> -	2-C <sub>10</sub> H <sub>7</sub> -	2-C <sub>4</sub> H <sub>3</sub> O-	2-C <sub>4</sub> H <sub>3</sub> S-
X	Cl	Br	Cl	Cl	H	Cl	Br	H	Cl	Cl	Cl

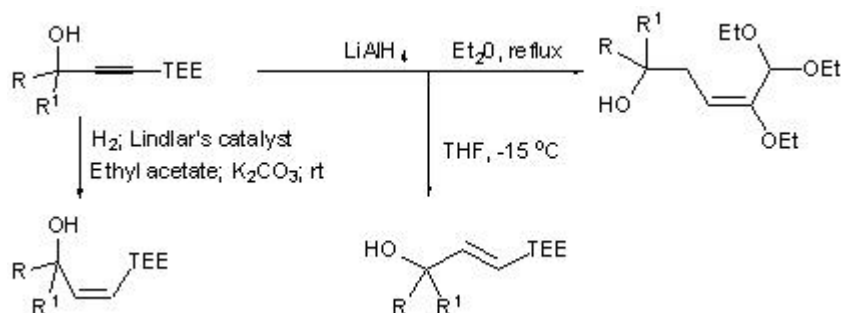
received Jul 21 2008; accepted Oct 14 2008; published Oct 21 2008;

**23. Stereospecific synthesis of allylic and homoallylic alcohols from functionalized propargylic alcohols** (08-3205JP)

*Leiv K. Sydnes, Bjarte Holmelid, Ole H. Kvernenes, Stig Valdersnes, Mari Hodne and Kjartan Boman*

Full Text: [PDF \(352K\)](#)

pp. 242 - 268



received Apr 30 2008; accepted Jun 17 2008; published Oct 31 2008;

**24. A short and efficient synthesis of cytotoxic 3-isopropynaphthalene-1,2-dione via 3-hydroxy-2-naphthoic acid** (08-3226JP)

*Serdar Burmaoğlu, Ramazan Altundaş and Hasan Seâşen*

Full Text: [PDF \(238K\)](#)

pp. 269 - 273



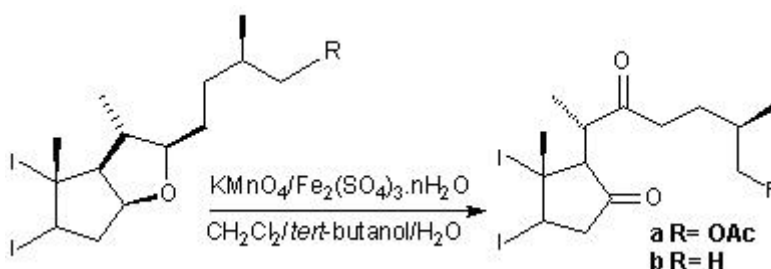
received May 11 2008; accepted May 24 2008; published Oct 31 2008;

**25. An unexpected and useful E-ring oxidative cleavage in furostanes** (08-3337KP)

*Anielka Rosado-Abon, Margarita Romero-Avila and Martin A. Iglesias-Arteaga*

Full Text: [PDF \(275K\)](#)

pp. 274 - 281



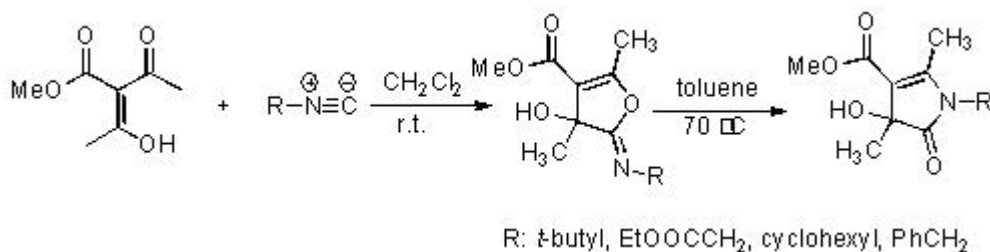
received Jun 29 2008; accepted Oct 25 2008; published Nov 9 2008;

**26. Synthesis of 3-hydroxy-2H-iminolactones and 3-hydroxy-2H-pyrrol-2-ones from reaction between isocyanides and methyl-2-acetylacetoacetate (08-3445UP)**

*Nourallah Hazeri, Malek Taher Maghsoodlou, Sayyed Mostafa Habibi-Khorassani and Ghasem Marandi*

Full Text: [PDF \(241K\)](#)

pp. 282 - 288



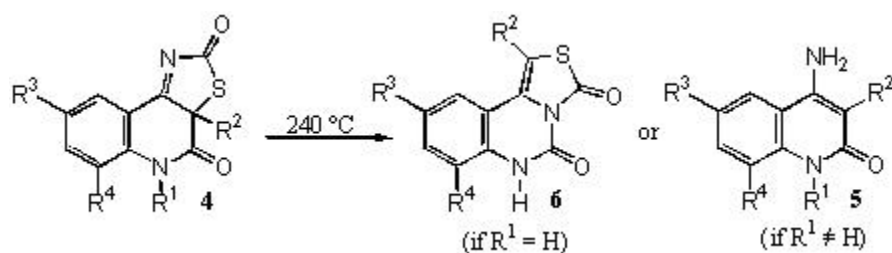
received Aug 20 2008; accepted Oct 24 2008; published Nov 9 2008;

**27. Thermal reaction of 3a*H*,5*H*-thiazolo[5,4-*c*]quinoline-2,4-diones – an easy pathway to 4-amino-1*H*-quinolin-2-ones and novel 6*H*-thiazolo[3,4-*c*]quinazoline-3,5-diones (08-3467DP)**

*VladimĚr MrkvĚčka, AntonĚn KlĚjsek, Roman Kimmel, Andrej Pevec and Janez KoĚšmrlj*

Full Text: [PDF \(322K\)](#)

pp. 289 - 302



received Aug 27 2008; accepted Oct 25 2008; published Nov 9 2008;

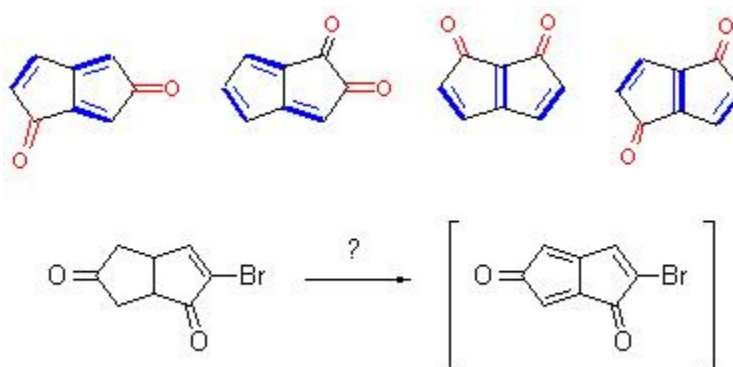
**28. DFT calculations of pentalenoquinones: towards the interception of 2-bromopentalene-1,5-dione** (08-3388JP)

Taner Atalar, Fatih Algi and Metin Balci

Full Text: [PDF \(248K\)](#)

Supplementary Material: [PDF \(1,920K\)](#)

pp. 303 - 313



received Jul 21 2008; accepted Oct 9 2008; published Nov 9 2008;

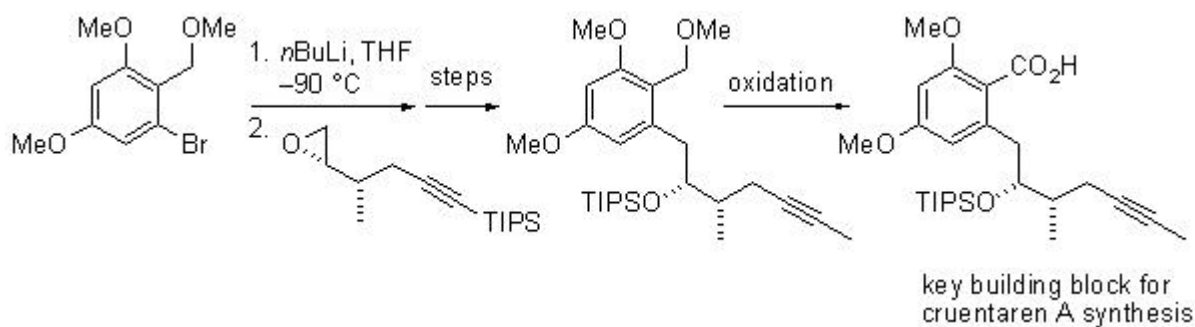
**29. A second generation synthesis of the cruentaren A core structure based on oxetane and oxirane opening reactions** (08-3504BP)

Martin E. Maier and Jan Ritschel

Full Text: [PDF \(302K\)](#)

Supplementary Material: [PDF \(770K\)](#)

pp. 314 - 329



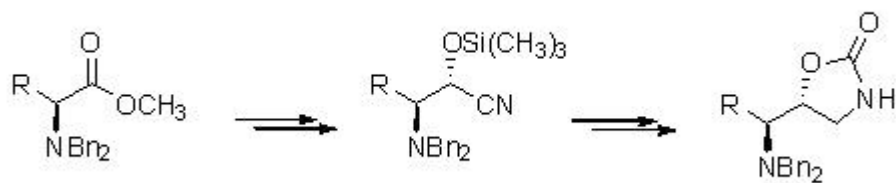
received Sep 12 2008; accepted Oct 25 2008; published Nov 16 2008;

**30. Synthesis of enantiopure 1,3-oxazolidin-2-ones from  $\alpha$ -dibenzylamino esters** (08-3333GP)

Adrian Ochoa Teran and Ignacio A. Rivero

Full Text: [PDF \(317K\)](#)

pp. 330 - 343



received May 29 2008; accepted Oct 25 2008; published Nov 17 2008;