

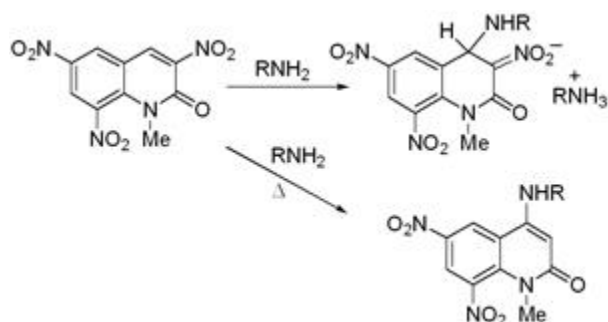
ARKIVOC Volume 2005  
Part (i): General Papers

**1. Effective C-N bond formation on the 1-methyl-2-quinolone skeleton (05-1217EP)**

Motoki Asahara, Moriaki Nagamatsu, Yasuo Tohda, Nagatoshi Nishiwaki and Masahiro Ariga

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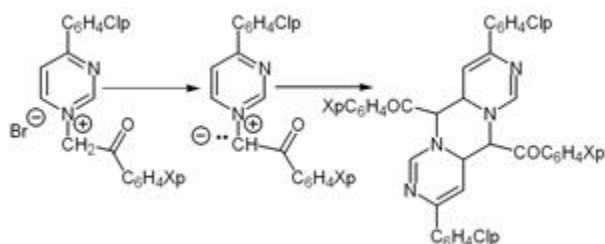
received Sep 12 2004; accepted Oct 1 2004; published Oct 25 2004;

**2. 4-(4-Chloro-phenyl)-pyrimidinium ylides. 1. Structure, stability, reactivity (05-1206BP)**

Costel C. Moldoveanu, Geanina C. Mangalagiu, Gheorghita N. Zbancioc Maria C. Caprosu, Ionel I. Mangalagiu

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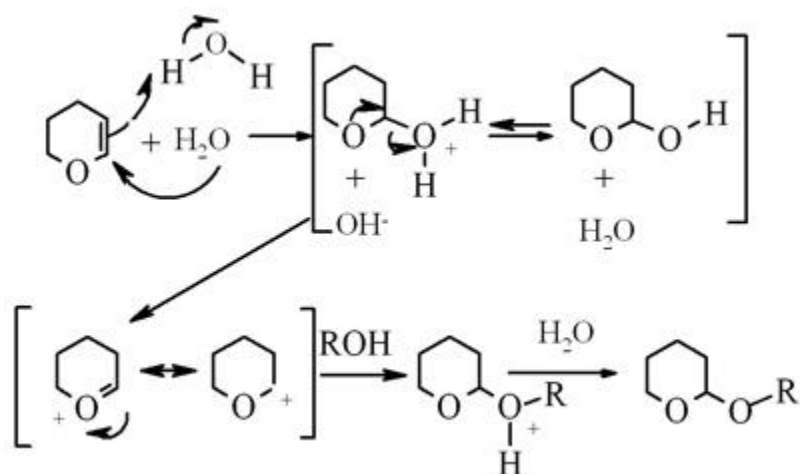
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**3. Water as catalyst and solvent: Tetrahydropyranlation of alcohols in an aqueous medium (05-1193BP)**

Veerababurao Kavala, Akshaya Kumar Samal and Bhisma K. Patel

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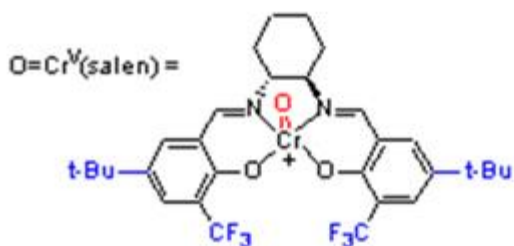
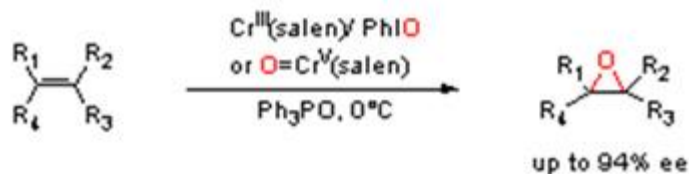
received Aug 20 2004; accepted Oct 13 2004; published Oct 26 2004;

#### 4. Cr-salen mediated asymmetric epoxidation of alkenes: Rational complex design and substrate scope of catalyst (05-1213CP)

Eoin F. Clarke, Eoghan M. McGarrigle, Declan G. Gilheany

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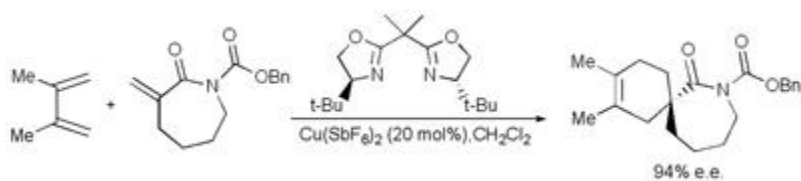
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#### 5. Synthesis of spirolactams via Diels-Alder addition of 1,3-butadienes to an $\alpha$ -methylene lactam (05-1226CP)

Daryl Crimmins, Michael Trzoss and Margaret A. Brimble

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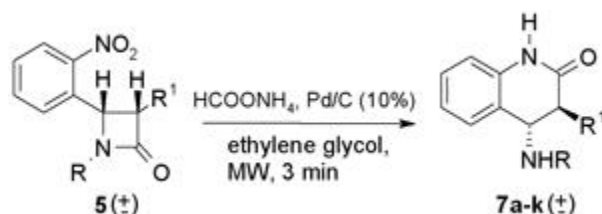
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**6. Microwave assisted rapid synthesis of 4-amino-3, 4-dihydroquinolin-2-ones from azetidin-2-ones**  
(05-1219JP)

*Nilesh M. Shirode, Kiran C. Kulkarni, Vikas K. Gumaste and Abdul Rakeeb A. S. Deshmukh*

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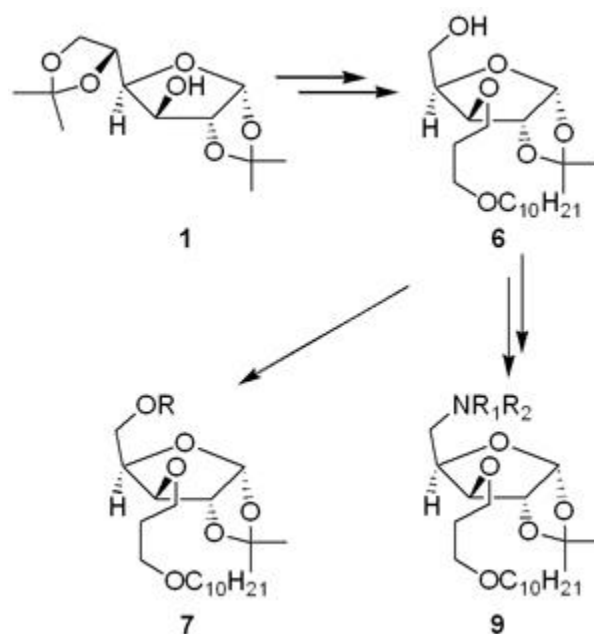
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**7. Synthesis of disubstituted- and deoxydisubstituted- derivatives of  $\alpha$ -D-xylofuranose as anticancer agents**  
(05-1286BP)

*Nawal Kishore, Neelima Sinha, Sanjay Jain, Ram Shankar Upadhayaya, Ramesh Chandra and Sudershan K. Arora*

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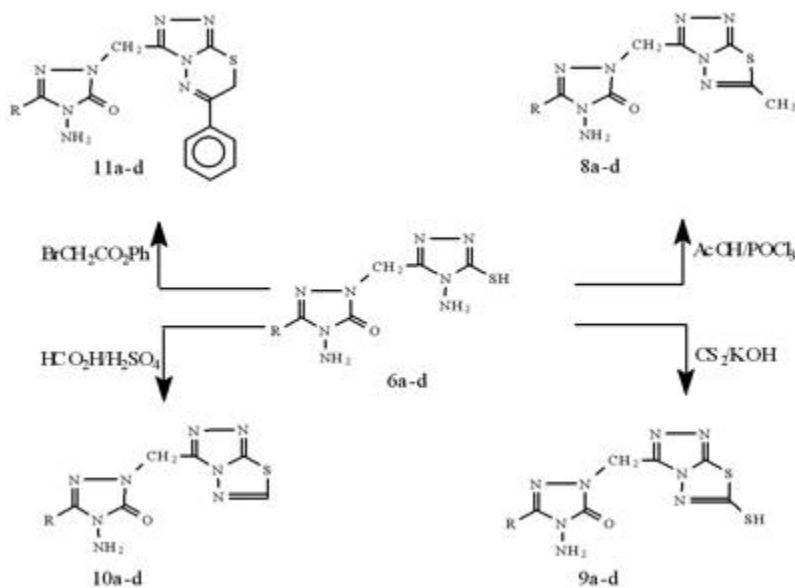
received Nov 25 2004; accepted Dec 29 2004; published Jan 4 2005;

### 8. Synthesis and antimicrobial activities of some new [1,2,4]triazolo[3,4-b][1,3,4]thiadiazoles and [1,2,4]triazolo[3,4-b][1,3,4]thiadiazines (05-1248EP)

Neslihan Demirbas, Sengül Alpay Karaoglu, Ahmet Demirbas, Elif Aelik

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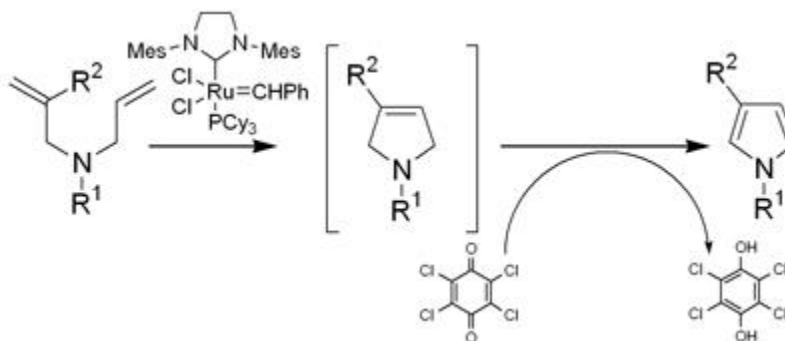
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### 9. A new protocol for pyrrole synthesis by a combination of ring-closing metathesis and *in situ* oxidative aromatization (05-1297CP)

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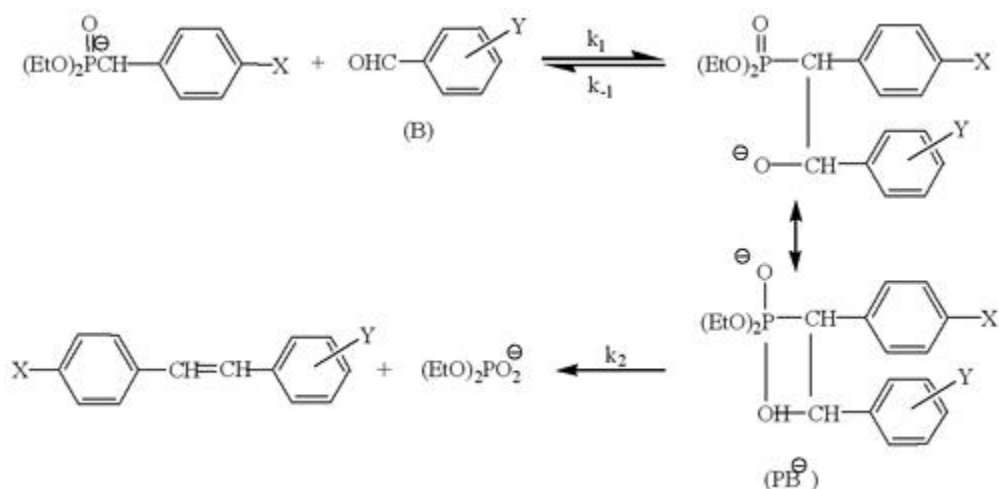
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### 10. Kinetic studies on the reaction between substituted benzyl phosphonates and substituted benzaldehydes (05-1242GP)

Zheng-Kai Li, Chun He, Meng Yang, Chuan-Qin Xia, Xiao-Qi Yu

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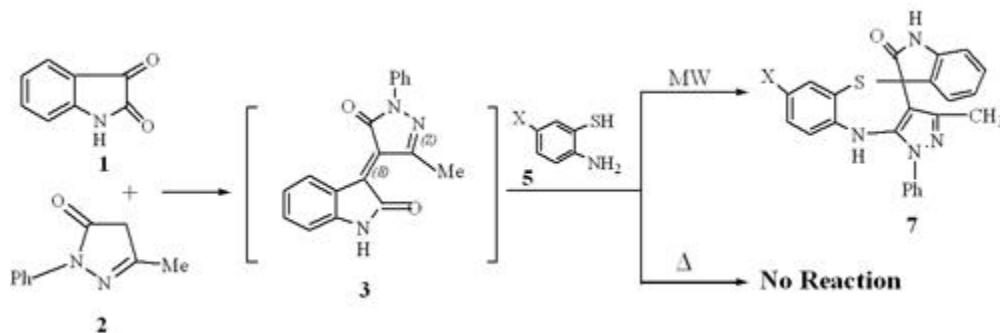
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**11. Enviro-economic, facile, one-pot synthesis of novel spiro[pyrazolo [4,3-c] [1,5] benzothiazepines] using microwave irradiation (05-1189CP)**

Anshu Dandia, Meha Sati, Kapil Arya, Rekha Sharma and Andr   Loupy

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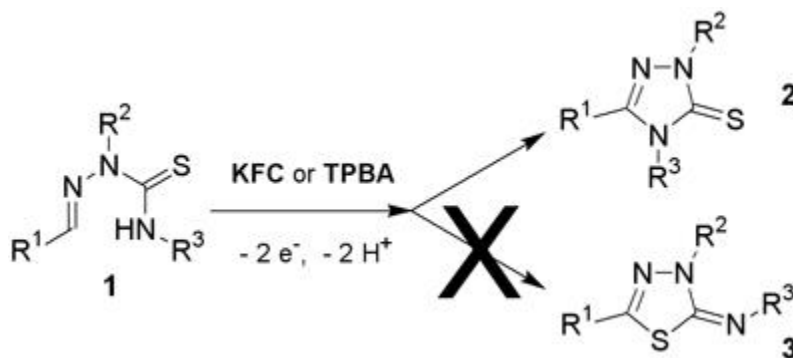
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**12. Oxidative cyclization of aldehyde thiosemicarbazones induced by potassium ferricyanide and by tris(*p*-bromophenyl)amino hexachloroantimoniate. A joint experimental and computational study (05-1281CP)**

Paolo Lo Meo, Michelangelo Gruttadauria and Renato Noto

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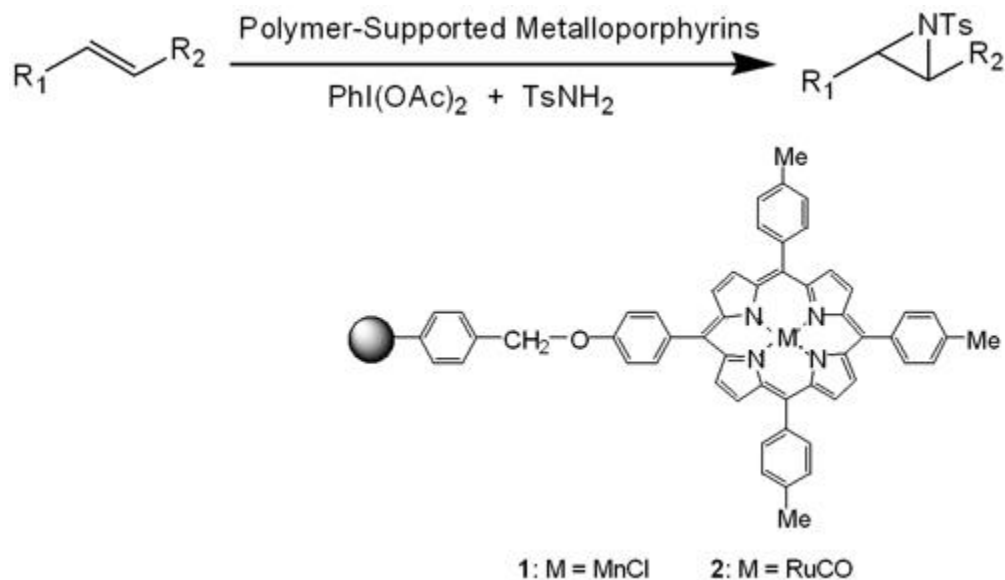
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**13. Aziridination and amidation reaction mediated by polymer-supported metalloporphyrins with  $PhI(OAc)_2$  and  $TsNH_2$  (05-1270AP)**

Zhi-Wang Zhou, Yuan-Cong Zhao, Yang Yue, Jiang Wu, Meng Yang, Xiao-Qi Yu

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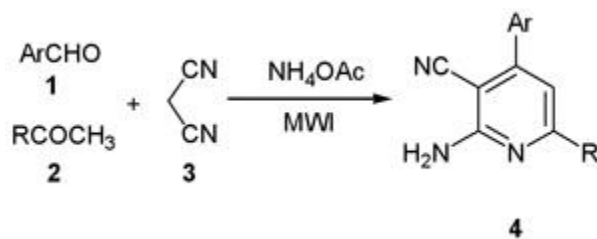
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#### 14. One-pot synthesis of 2-amino-3-cyanopyridine derivatives under microwave irradiation without solvent (05-1321KP)

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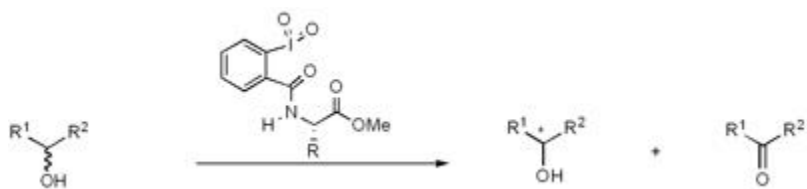
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#### 15. Investigation of substrate-selectivity pattern of oxidative kinetic resolution of secondary alcohols by amino acid-derived IBX derivatives (05-1338CP)

Chutima Kuhakarn, Krisada Kittigowittana, Manat Pohmakotr and Vichai Reutrakul

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