

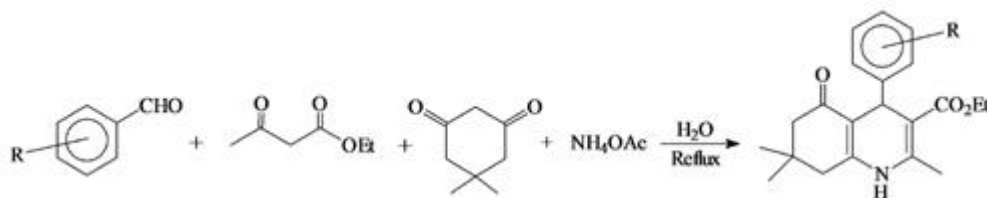
ARKIVOC Volume 2008  
Part (xv): General Papers

**1. Synthesis of polyhydroquinoline derivatives under aqueous media without catalyst (08-3171GP)**

*B. P. Bandgar, P. E. More, V. T. Kamble and J. V. Totre*

Full Text: [PDF \(298K\)](#)

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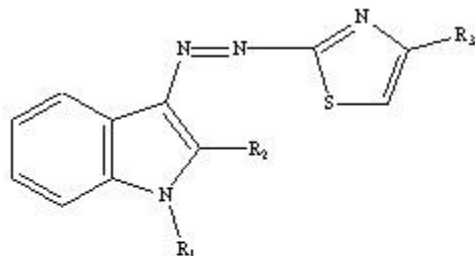
received Jan 23 2008; accepted Jul 4 2008; published Aug 6 2008;

**2. Quantum chemical studies on the structures of some heterocyclic azo disperse dyes (08-3197DP)**

*Nesrin Tokay, Zeynel Seferođlu, Cemil Ađretir and Nermin Ertan*

Full Text: [PDF \(427K\)](#)

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- | I  | II   |
|--|--|
| 1. R <sub>1</sub> = H, R <sub>2</sub> = Ph, R <sub>3</sub> = H               | 7. R <sub>1</sub> = H, R <sub>2</sub> = CH <sub>3</sub> , R <sub>3</sub> = H                               |
| 2. R <sub>1</sub> = H, R <sub>2</sub> = Ph, R <sub>3</sub> = CH <sub>3</sub> | 8. R <sub>1</sub> = H, R <sub>2</sub> = R <sub>3</sub> = CH <sub>3</sub>                                   |
| 3. R <sub>1</sub> = H, R <sub>2</sub> = Ph, R <sub>3</sub> = NO <sub>2</sub> | 9. R <sub>1</sub> = H, R <sub>2</sub> = CH <sub>3</sub> , R <sub>3</sub> = NO <sub>2</sub>                 |
| 4. R <sub>1</sub> = H, R <sub>2</sub> = Ph, R <sub>3</sub> = H               | 10. R <sub>1</sub> = CH <sub>3</sub> , R <sub>2</sub> = CH <sub>3</sub> , R <sub>3</sub> = H               |
| 5. R <sub>1</sub> = H, R <sub>2</sub> = Ph, R <sub>3</sub> = CH <sub>3</sub> | 11. R <sub>1</sub> = CH <sub>3</sub> , R <sub>2</sub> = R <sub>3</sub> = CH <sub>3</sub>                   |
| 6. R <sub>1</sub> = H, R <sub>2</sub> = Ph, R <sub>3</sub> = NO <sub>2</sub> | 12. R <sub>1</sub> = CH <sub>3</sub> , R <sub>2</sub> = CH <sub>3</sub> , R <sub>3</sub> = NO <sub>2</sub> |

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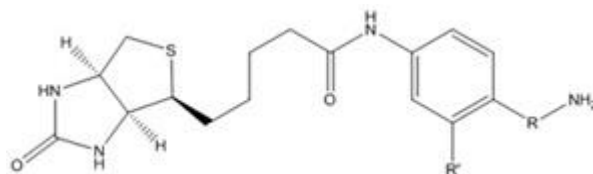
**3. Synthesis and characterization of biotin derivatives as multifunctional oligosaccharide tags (08-3131OP)**

*Nandkishor S. Chindarkar and Andreas H. Franz*

Full Text: [PDF \(129K\)](#)

Supplementary Material: [PDF \(795K\)](#)

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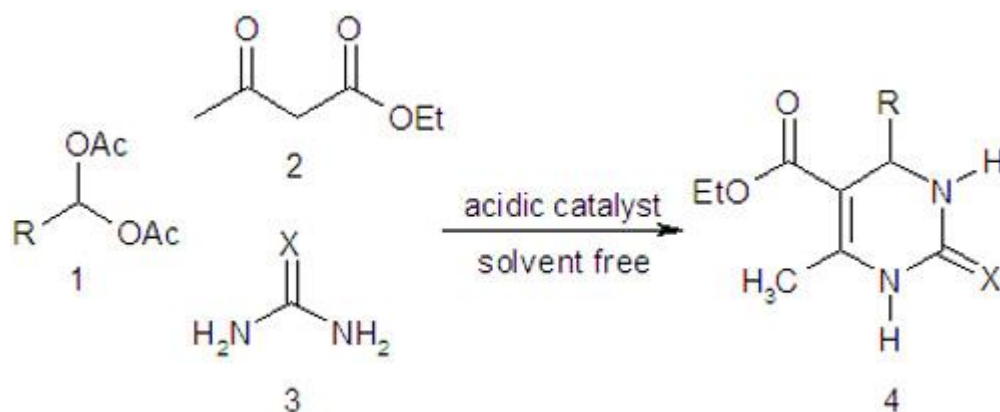
received Mar 20 2008; accepted Jul 9 2008; published Aug 6 2008;

#### 4. Highly efficient conversion of aromatic acylals to 3, 4-dihydropyrimidinones: a new protocol for the Biginelli reaction (08-3078AP)

*Hojatollah Khabazzadeh, Kazem Saidi and Hassan Sheibani*

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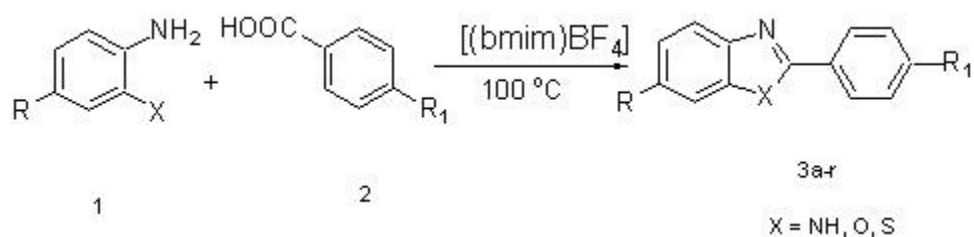
received Feb 26 2008; accepted Jul 21 2008; published Aug 6 2008;

#### 5. One pot synthesis of benzoxazoles, benzthiazoles and benzimidazoles from carboxylic acids using ionic liquid (08-2878MP)

*Mohan Babu Maradolla, Sunil Kumar Allam, Amaravathi Mandha and G.V.P. Chandramouli*

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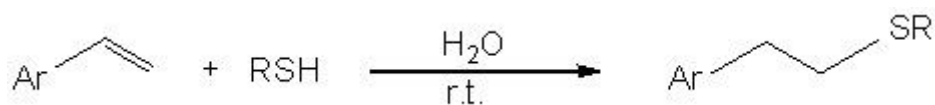
received Nov 7 2007; accepted Jul 24 2008; published Aug 11 2008;

## 6. Water promoted catalyst-free anti-Markovnikov addition of thiols to styrenes (08-3118OP)

*Barahman Movassagh and Mozhgan Navidi*

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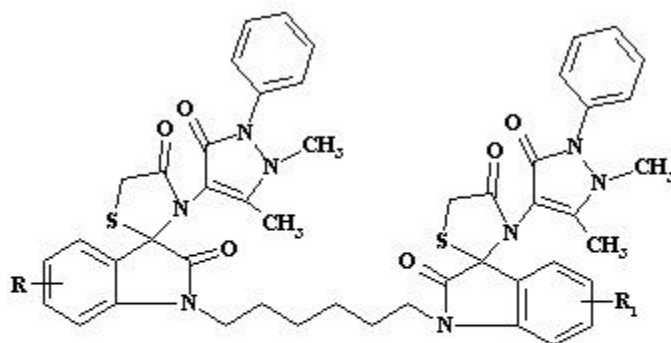
received Mar 16 2008; accepted Jul 9 2008; published Aug 11 2008;

## 7. A facile synthesis of novel unsymmetrical bis-spiro[indole-pyrazolinyl-thiazolidine]-2,4'-diones (08-2933GP)

*Manish Jain, Rajeev Sakhuja, Pankaj Khanna, Sunita Bhagat and Subhash C. Jain*

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- 7a R = 5-CH<sub>3</sub>, R<sub>1</sub> = H  
 7b R = 5-CH<sub>3</sub>, R<sub>1</sub> = 5-F  
 7c R = 6-F, R<sub>1</sub> = 5-F  
 7d R = 5-F, R<sub>1</sub> = H

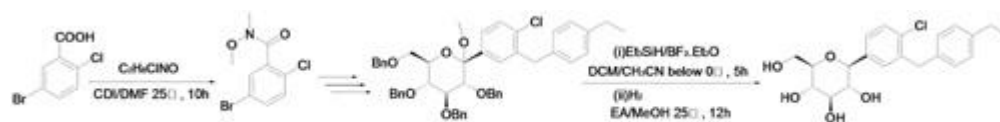
received Dec 13 2007; accepted Jul 31 2008; published Aug 11 2008;

### 8. Improved preparation of C-aryl glucoside SGLT2 inhibitors (08-3216GP)

Yong-Hai Liu, Da-Li Li and Lu-De Lu

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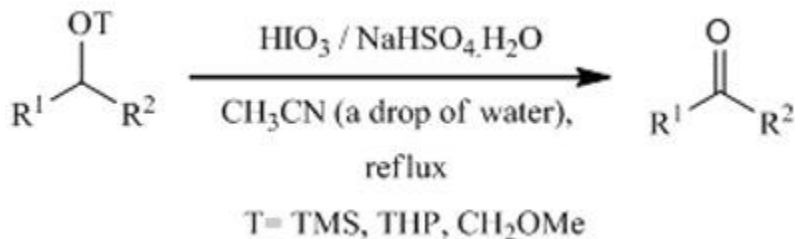
received May 7 2008; accepted Jul 22 2008; published Aug 30 2008;

### 9. NaHSO<sub>4</sub>·H<sub>2</sub>O promoted oxidative deprotection of trimethylsilyl, tetrahydropyranyl and methoxymethyl ethers with HIO<sub>3</sub> (08-3028AP)

Farhad Shirini, Maryam Khademian and Masoumeh Abedini

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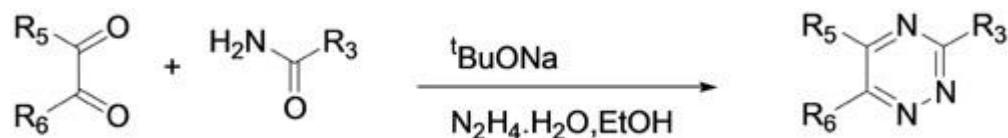
received Jan 30 2008; accepted Jul 23 2008; published Aug 30 2008;

### 10. Novel one pot synthesis of substituted 1, 2, 4-triazines (08-3178AP)

I. T. Phucho, A. Nongpiur, S Tumtin, R. Nongrum, B. Myrboh and R.L. Nongkhlaw

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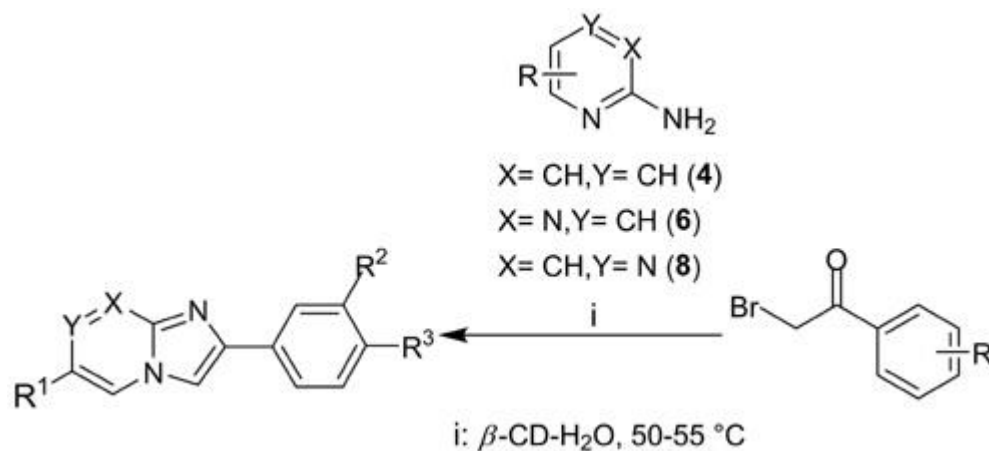
received Apr 12 2008; accepted Jul 23 2008; published Aug 30 2008;

**11. Aqueous phase synthesis of bridgehead azaheterocycles in the presence of  $\beta$ -cyclodextrin (08-3236EP)**

Shailesh Kumar and Devi Prasad Sahu

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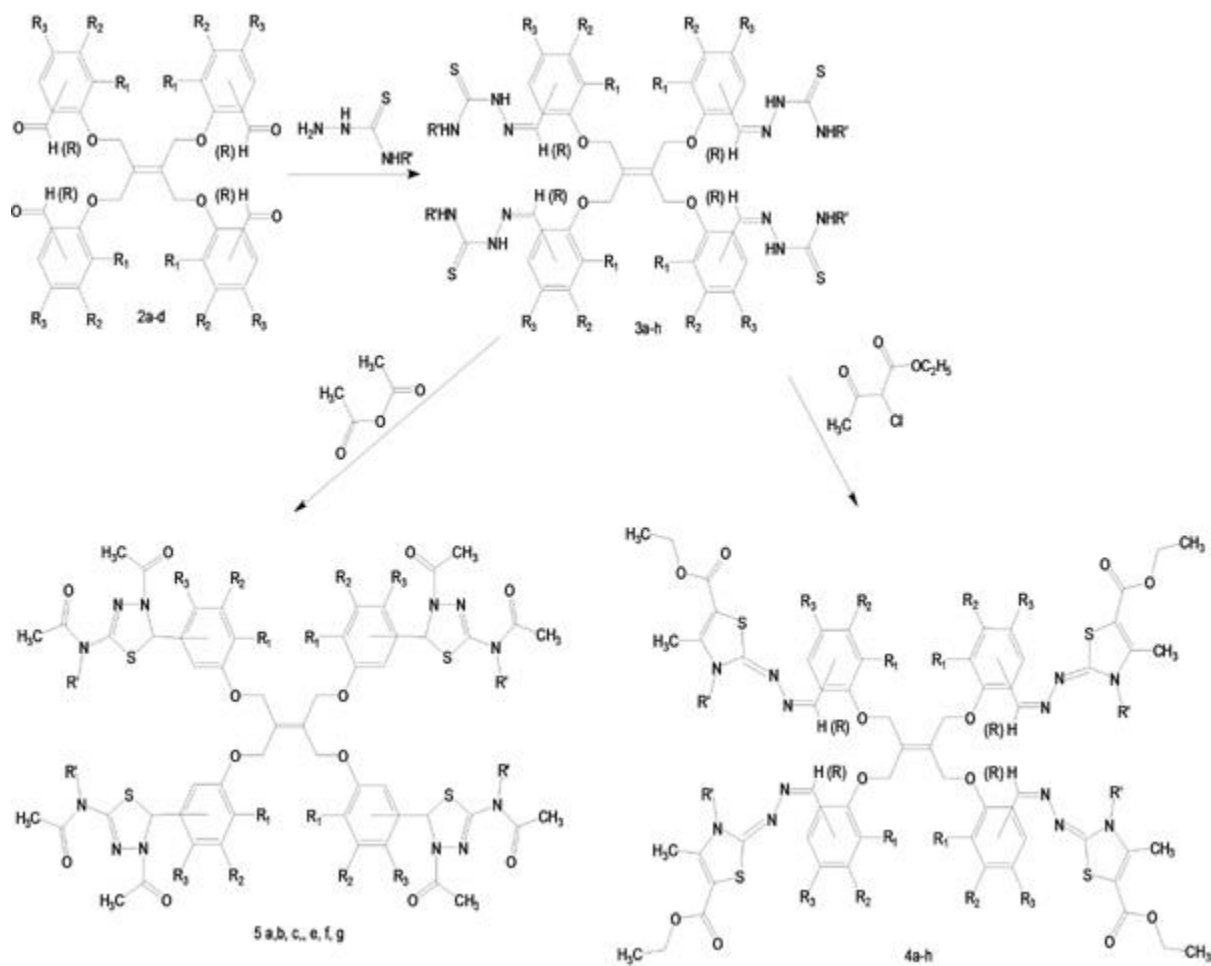
received May 15 2008; accepted Aug 5 2008; published Aug 30 2008;

**12. Synthesis and characterizations of some new tetra thiosemicarbazones and their cyclization reactions; tetra 4-methyl-5-etoxy carbonyl-2,3-dihydro-1,3-thiazole and tetra 2-acetylamino-4-acetyl-4,5-dihydro-1,3,4-thiodiazole derivatives (08-3067MP)**

Mustafa Er, Yasemin Aenver, Kemal Sancak and Esra Dgd

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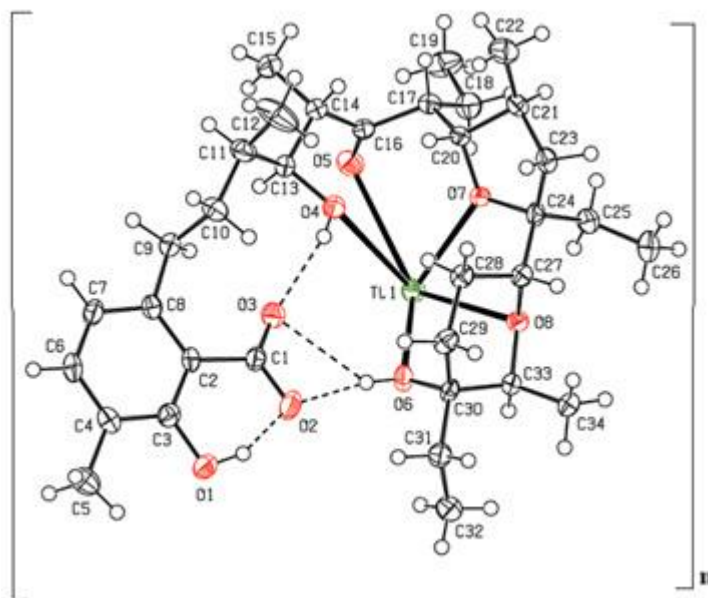
received Feb 21 2008; accepted Jul 23 2008; published Aug 30 2008;

### 13. Crystal structure of a new polymeric thallium-lasalocid complex: lasalocide anion-thallium(I) containing aryl-Tl interactions (08-3145MP)

*M. Akkurt, S. Aytürk Yıldırım, F-Z. Khardli, M. Mimouni, V. McKee and T. Ben Hadda*

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received Mar 25 2008; accepted Jul 24 2008; published Aug 30 2008;

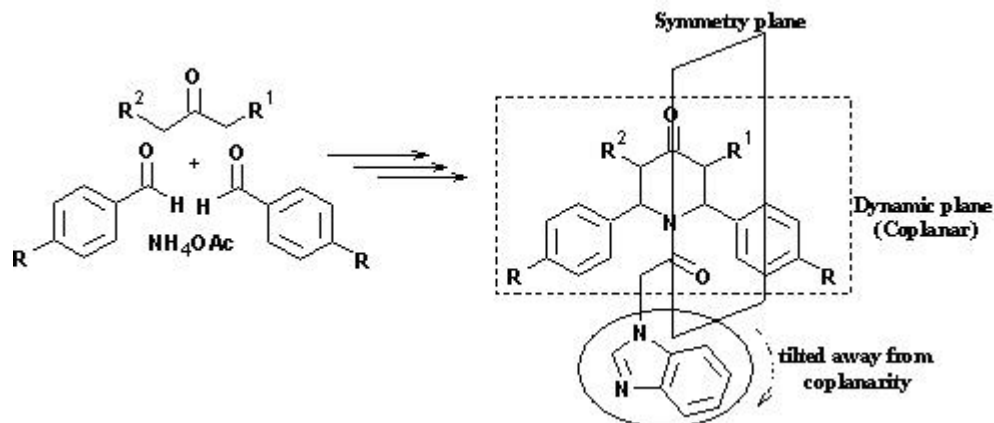
#### 14. Synthesis, structural and antimicrobial studies of some 1-[2-(1*H*-benzimidazol-1-yl)acetyl]-2,6-diarylpiperidin-4-ones (08-3328UP)

Gopalakrishnan Aridoss, Shanmugasundaram Amirthaganesan, Min Sung Kim, Byung Gwon Cho, Kwon Taek Lim and Yeon Tae Jeong

Full Text: [PDF \(880K\)](#)

Supplementary Material: [PDF \(556K\)](#)

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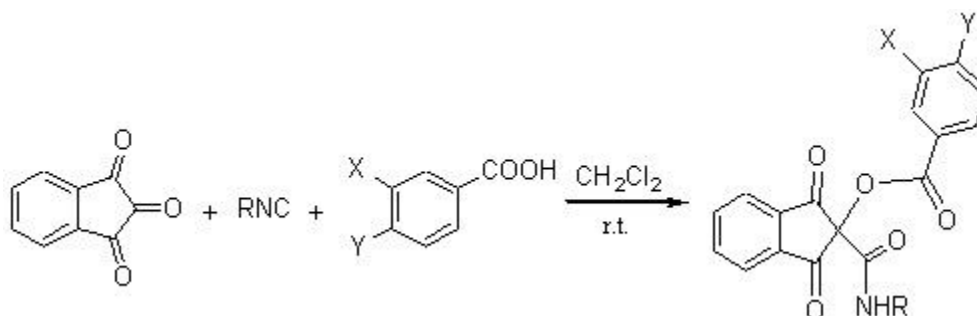
received Jun 25 2008; accepted Aug 25 2008; published Sep 5 2008;

**15. Three component reaction of indane-1,2,3-trione, tosylmethyl isocyanide and benzoic acid derivatives (08-3157MP)**

*Ali Reza Kazemizadeh and Ali Ramazani*

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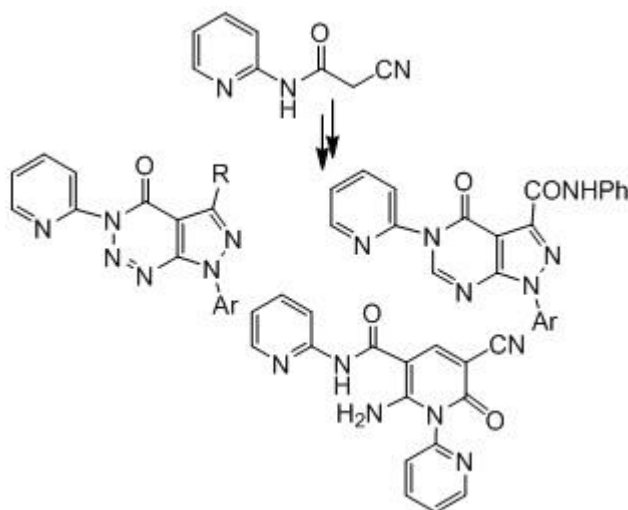
received Mar 29 2008; accepted Jul 31 2008; published Sep 21 2008;

**16. Facile route to novel 2-pyridone, pyrazolo[3,4-*d*]-1,2,3-triazine, and pyrazolo[3,4-*d*]- and [1,5-*a*]-pyrimidine derivatives (08-3383JP)**

*Kamal M. Dawood, Ahmad M. Farag and Nabila A. Khedr*

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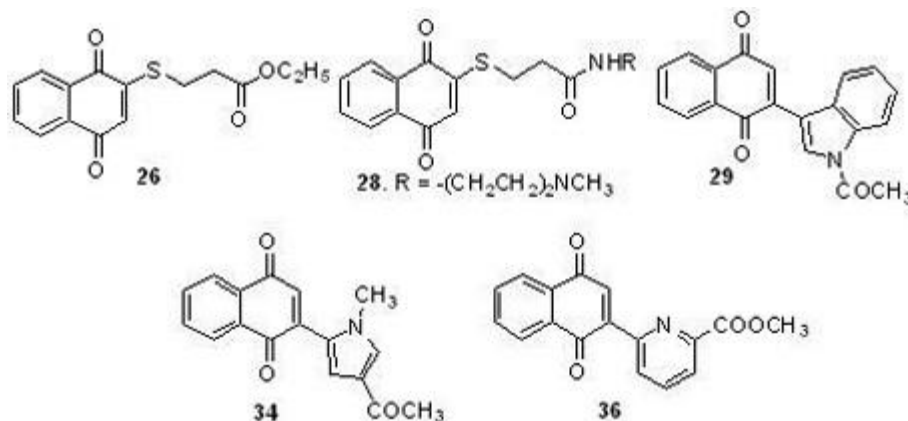
**17. Synthesis and biological evaluation of substituted naphthoquinone derivatives as potent antimycobacterial agents (08-3174NP)**



A. Mital, V. S. Negi and U. Ramachandran

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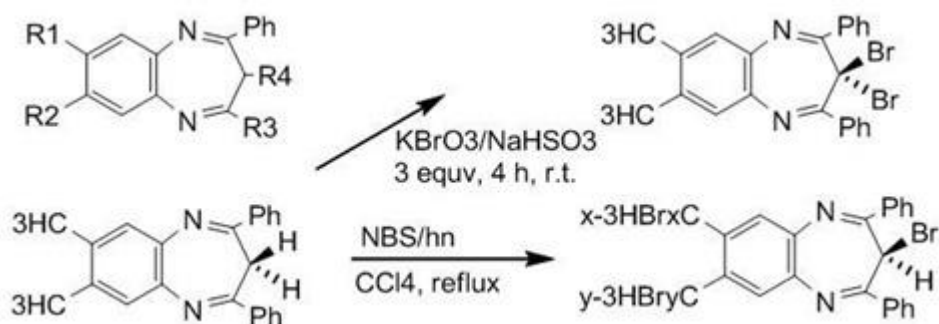
**18. An experimental and theoretical study on the regioselectivity of successive bromination sites of 7,8-dimethyl-2,4-diphenyl-3H-1,5-benzodiazepine. Efficient microwave assisted solventless synthesis of 4-phenyl-3H-1,5-benzodiazepines** (08-3334JP)

Constantinos A. Tsoleridis, Minodora Pozarentzi, Sophia Mitkidou and Julia Stephanidou-Stephanatou

Full Text: [PDF \(538K\)](#)

Supplementary Material: [PDF \(122K\)](#)

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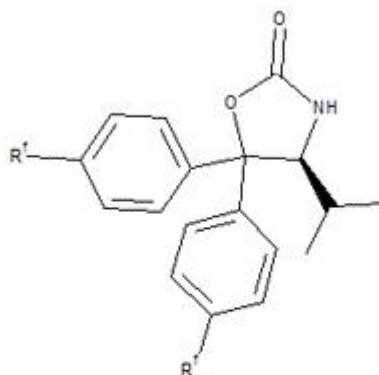
received Jun 27 2008; accepted Aug 24 2008; published Sep 21 2008;

**19. Preparation of perfluoroalkane-tagged chiral auxiliaries and their application to stereoselective synthesis of a  $\beta^2$ -amino acid building block** (08-3365UP)

Markus M. Vögtle, Daniel A. S. Beck, Thomas Leutert, Flavio Ossola and Luigi La Vecchia

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**3d** ( $R^f = \text{Si}(\text{CH}(\text{CH}_3)_2)_2\text{CH}_2\text{CH}_2\text{C}_8\text{F}_{17}$ )

**3e** ( $R^f = \text{CH}_2(\text{CF}_2)_7\text{CF}_2\text{H}$ )

**6** ( $R^f = \text{C}_2\text{H}_4\text{C}_6\text{F}_{13}$ )

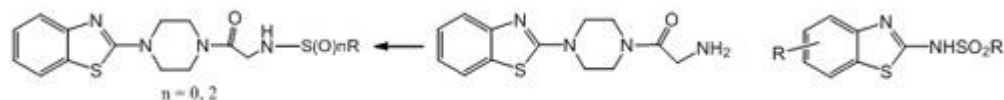
received Jul 9 2008; accepted Aug 24 2008; published Sep 21 2008;

## 20. Synthesis and *in vitro* antiproliferative activity of new benzothiazole derivatives (08-3379CP)

Yaseen A. Al-Soud, Haitham H. Al-Sa'â'doni, Bahjat Saeed, Ihsan H. Jaber, Mohammad O. Beni-Khalid, Najim A. Al-Masoudi, Tahsin Abdul-Kadir, Paolo La Colla, Bernardetta Busonera, Tiziana Sanna and Roberta Loddo

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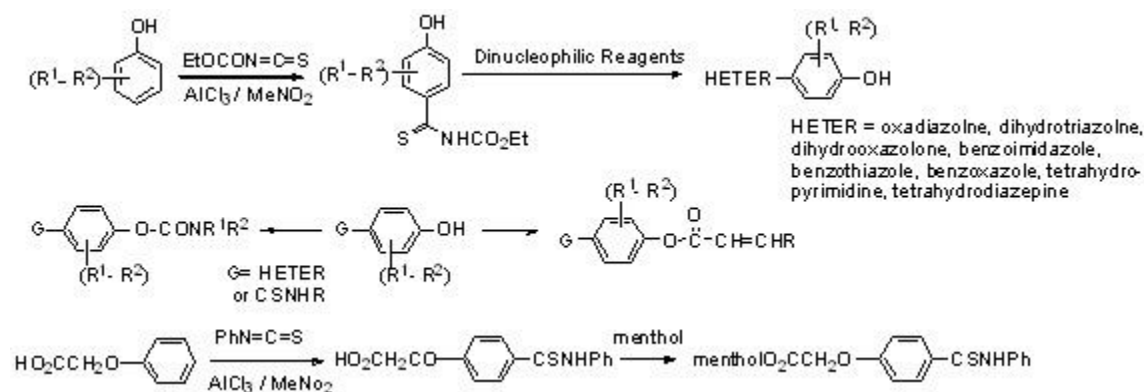
received Jul 15 2008; accepted Aug 24 2008; published Sep 21 2008;

## 21. Synthesis and reactions of *p*-hydroxythiobenzamides (08-3185KP)

Aneta Wesołowska, Łukasz Groś, Sławomir Westerlich and Tadeusz S. Jagodziński

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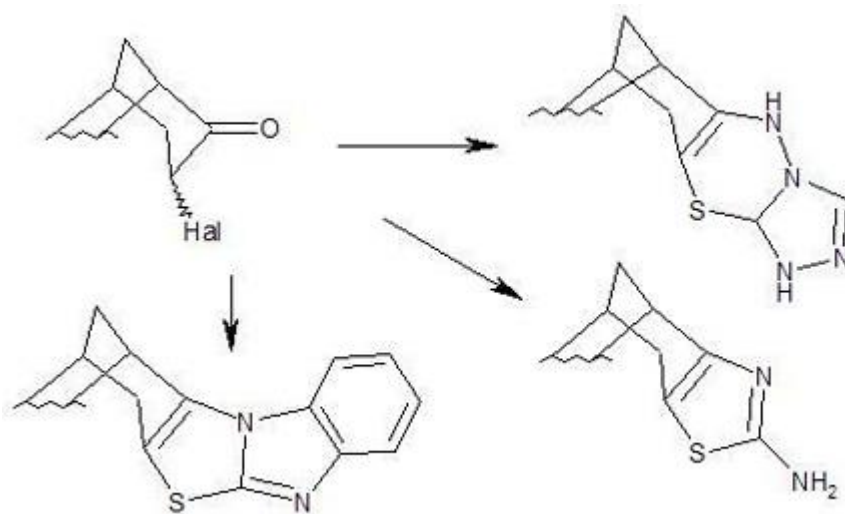
received Apr 17 2008; accepted Sep 3 2008; published Sep 21 2008;

## 22. Synthesis of bicyclo[3.3.1]nonane derivatives containing fused heterocyclic rings (08-3412LP)

*L. Labanauskas, A. Zilinskas, S. Visniakova, G. Urbelis, O. Gedrimaite, R. Rozenbergas and A. Podgursky*

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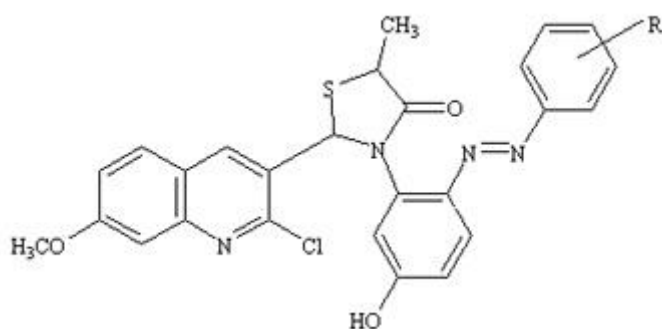
received Aug 4 2008; accepted Sep 2 2008; published Sep 21 2008;

## 23. Green chemistry: microwave and conventional induced synthesis of various thiazolidinone derivatives from 3-[[[(1E)-(2'-chloro-7'-methoxyquinoline-3'-yl)methylene]amino]-4-(substitutedphenyldiazenyl)phenol and their antimicrobial screening (08-3182GP)

*P. B. Rana, B. D. Mistry and K. R. Desai*

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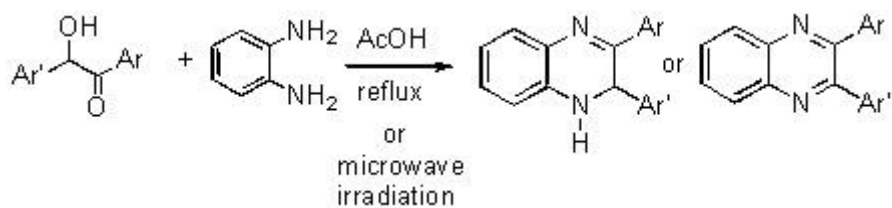
received Apr 16 2008; accepted Sep 2 2008; published Sep 21 2008;

#### 24. One-pot and efficient protocol for synthesis of quinoxaline derivatives (08-3373UP)

Mohammad Reza Islami and Zahra Hassani

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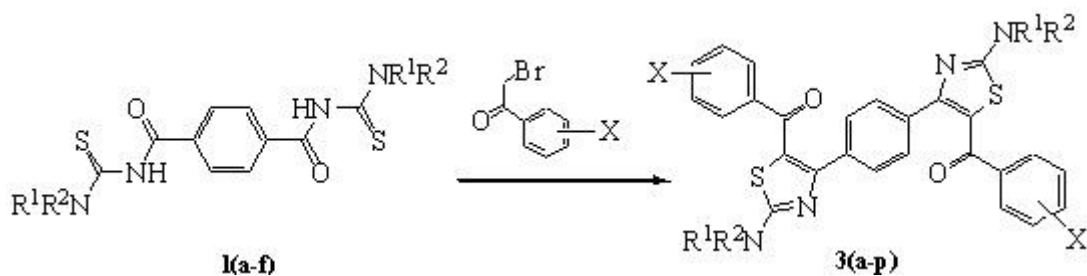
received Jul 14 2008; accepted Sep 18 2008; published Sep 28 2008;

#### 25. Synthesis of novel 1,4-bis[(5-aryloxy-2-N,N-disubstituted amino)thiazol-4-yl]benzenes (08-3343BP)

Manju S. Leelabai, Asha S. Dinesh, Reji T. F. Abbs Fenn and Rajasekharan N. Kallikat

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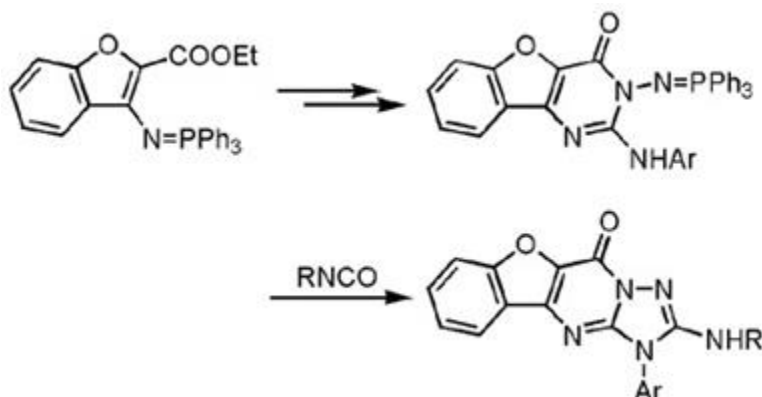
received Jul 1 2008; accepted Sep 26 2008; published Oct 8 2008;

**26. Synthesis of new tetracyclic benzo[4,5]furo[3,2-*d*]-1,2,4-triazolo [1,5-*a*]pyrimidin-5(1*H*)-ones via a tandem aza-Wittig/heterocumulene-mediated annulation (08-3392BP)**

Yang-Gen Hu, Sheng-Jun Yang and Ming-Wu Ding

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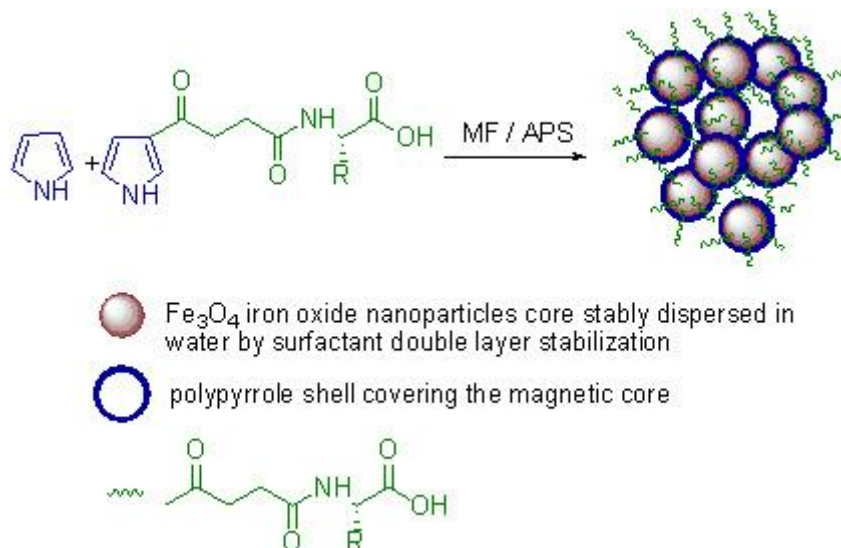
received Jul 22 2008; accepted Sep 21 2008; published Oct 10 2008;

**27. New shells for magnetic nanoparticles based on polypyrrole functionalized with  $\alpha$ -amino acids (08-3422BP)**

A. Nan, S. Karsten, I. Craciunescu, R. Turcu, L. Vekas and J. Liebscher

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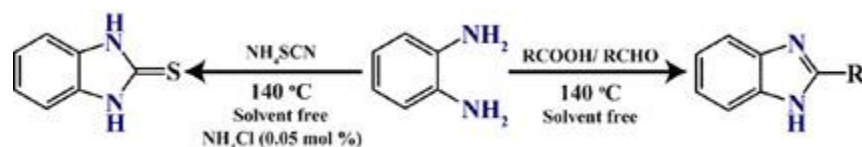
received Aug 11 2008; accepted Sep 21 2008; published Oct 12 2008;

**28. An expeditious one-pot solvent free synthesis of benzimidazole derivatives (08-3382HP)**

*Harjyoti Thakuria and Gopal Das*

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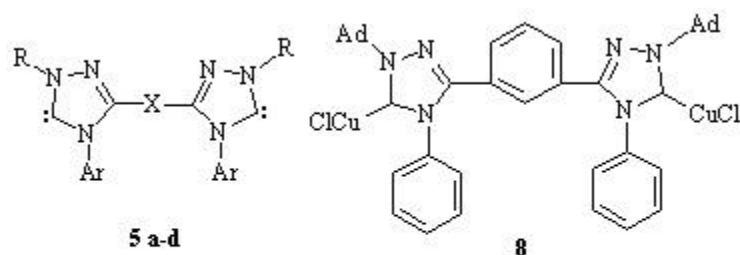
received Jul 17 2008; accepted Sep 21 2008; published Oct 20 2008;

**29. Synthesis of heteroaromatic 3,3'-bridged biscarbenes of the 1,2,4-triazole series and their properties (08-3332EP)**

*A.V. Kiselyov, N.I. Korotkikh, A.H. Cowley, J.A. Moore, M.A. Findlater, T.M. Pekhtereva and O.P. Shvaika*

Full Text: [PDF \(421K\)](#)

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**5** X = *p*-C<sub>6</sub>H<sub>4</sub>, R = Ad, Ar = Ph. (a); X = *m*-C<sub>6</sub>H<sub>4</sub>, R = Ad, Ar = Ph. (b); X = (CH<sub>2</sub>)<sub>4</sub>, R = Ad, Ar = *p*-BrC<sub>6</sub>H<sub>4</sub>. (c); X = *p*-C<sub>6</sub>H<sub>4</sub>, R = *t*-Bu, Ar = Ph. (d).

received Jun 26 2008; accepted Sep 30 2008; published Oct 26 2008;

**30. Triphenylphosphine promoted addition of acetylenic esters to benzofuran-2,3-dione: One-pot synthesis of novel  $\gamma$ -spirolactones (08-3462UP)**

*Abbas Ali Esmaili, Mohammad Ali Nasseri and Hamid Vesalipoor*

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received Aug 26 2008; accepted Sep 25 2008; published Oct 26 2008;