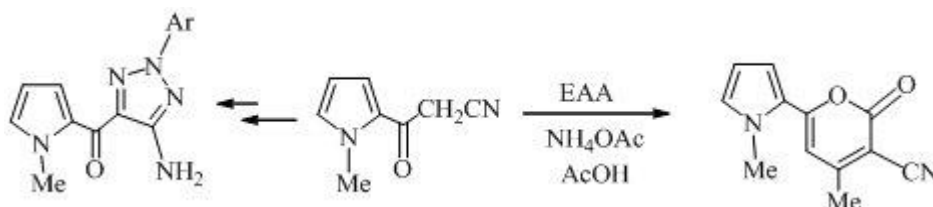


**1. Studies with 3-oxoalkanenitriles: novel rearrangements observed while exploring the utility of 3-(1-methyl-2-pyrrolyl)-3-oxopropanenitrile as a precursor to pyrrole-substituted heterocyclic compounds (12-6808SP)**

Hamad M. Al-Matar, Aisha Y. Adam, Khaled D. Khalil and Mohamed H. Elnagdi

Full Text: [PDF \(672K\)](#)

pp. 1 - 15



received Aug 3 2011; accepted Nov 18 2011; published Jan 3 2012;

**2. Et<sub>3</sub>N-promoted sequential reactions for the synthesis of 6H-benzo[c]chromenes (12-6840UP)**

Wan-Li Chen, Jiao Li, Ying-Hong Zhu, Wei Hu and Wei-Min Mo

Full Text: [PDF \(130K\)](#)

pp. 16 - 25



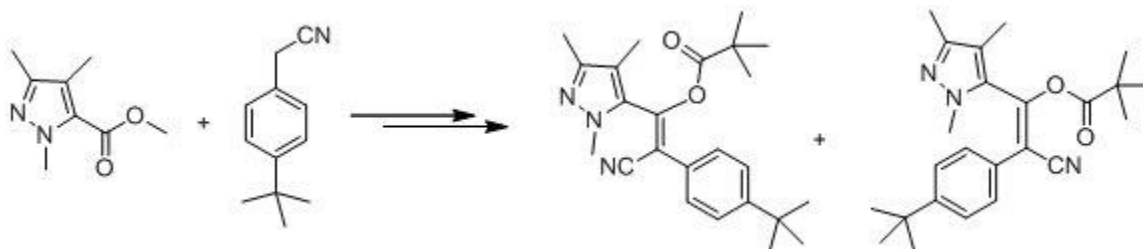
received Aug 15 2011; accepted Oct 8 2011; published Dec 18 2011;

**3. Synthesis and acaricidal activity of cyenopyrafen and its geometric isomer (12-6851JP)**

Haibo Yu, Man Xu, Yan Chen, Hongfei Wu, Yanmei Luo and Bin Li

Full Text: [PDF \(353K\)](#)

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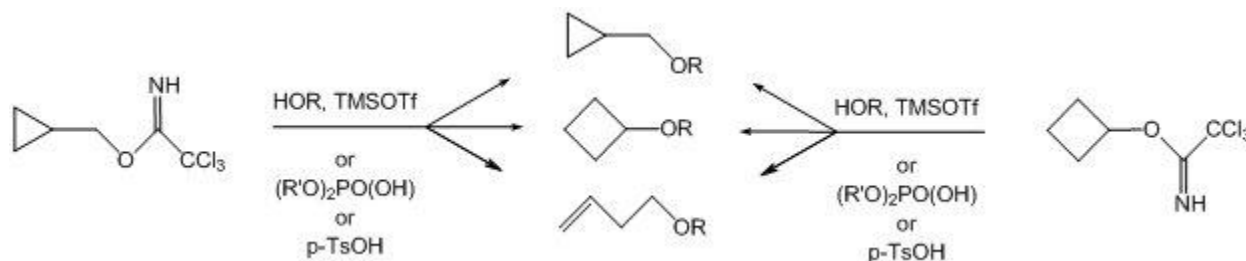
received Aug 18 2011; accepted Nov 5 2011; published Jan 7 2012;

#### 4. Mode of alkylation of alcohols with *O*-cyclopropylmethyl trichloroacetimidate and *O*-cyclobutyl trichloroacetimidate (12-7020HP)

*Ibrahim A. I. Ali, Xiangming Zhu, Es Sayed H. El Ashry and Richard R. Schmidt*

Full Text: [PDF \(112K\)](#)

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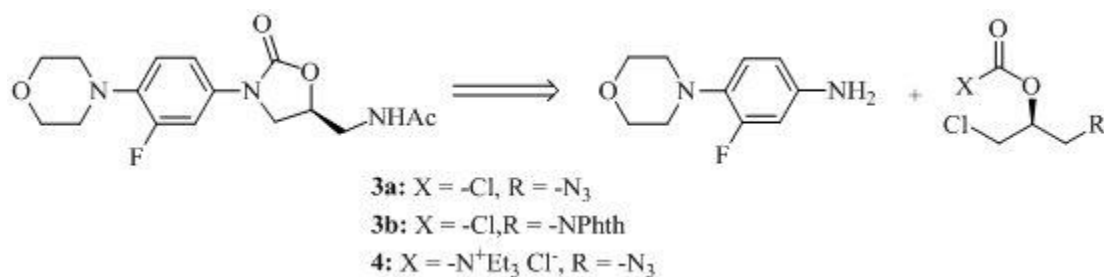
received Oct 14 2011; accepted Nov 27 2011; published Jan 7 2012;

#### 5. An expeditious construction of 3-aryl-5-(substituted methyl)-2-oxazolidinones: a short and efficient synthesis of Linezolid (12-6209RP)

*Rajesh Tammana, Kiran K. Vemula, Ramadasu Guruvindapalli, Ramesh Yanamandra and Madhusudhan Gutta*

Full Text: [PDF \(153K\)](#)

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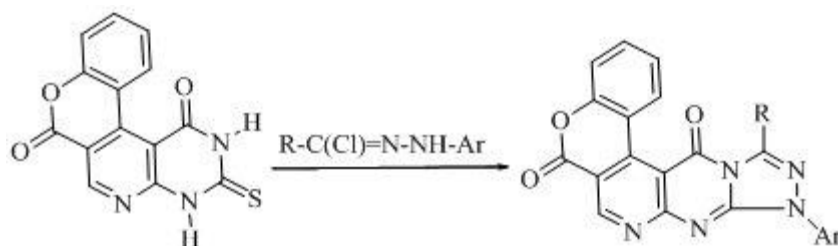
received Dec 26 2010; accepted Dec 17 2011; published Jan 16 2012;

## 6. Synthesis of new pentaheterocyclic ring system as antiandrogene, anti HCV and anti H1N1 agents (12-6694KP)

Thoraya A. Farghaly, Ikhlass M. Abbas, Mohamed M. Abdalla and Raghda O. A. Mahgoub

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

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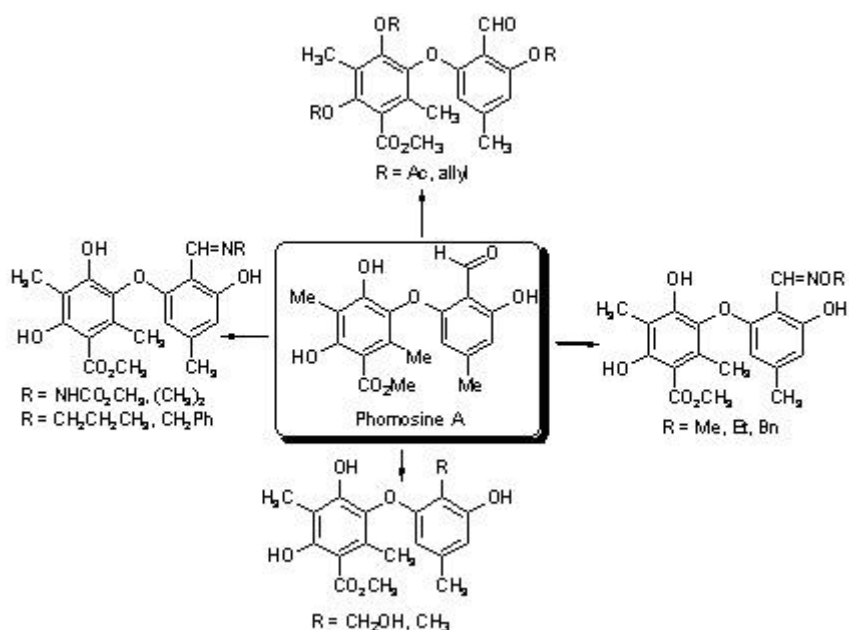
received Jun 20 2011; accepted Nov 27 2011; published Jan 22 2012;

## 7. Chemical derivatization of Phomosine A, a highly antifungal secondary metabolite from *Phonopsis* sp. (12-6594MP)

Karsten Krohn, Hidayat Hussain, Hans Egold, Barbara Schulz, Ivan Green

Full Text: [PDF \(499K\)](#)

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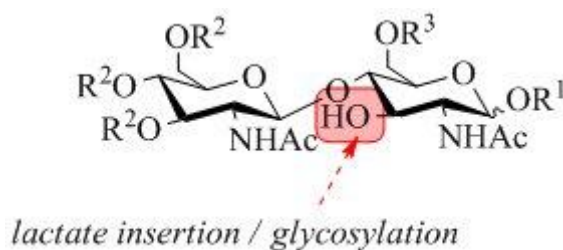
received May 11 2011; accepted Oct 1 2011; published Jan 24 2012;

#### 8. Synthesis of 3-OH free *N*-acetyl glucosamine disaccharide (12-7003HP)

Ramu Enugala and Maria M. Marques

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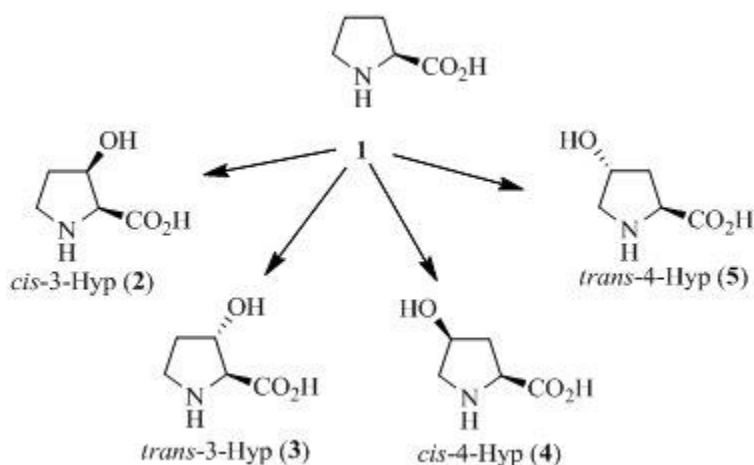
received Oct 10 2011; accepted Nov 27 2011; published Feb 5 2012;

#### 9. Hydroxy-L-prolines as asymmetric catalysts for aldol, Michael addition and Mannich reactions (12-6924UP)

Loay Ahmed Al-Momani

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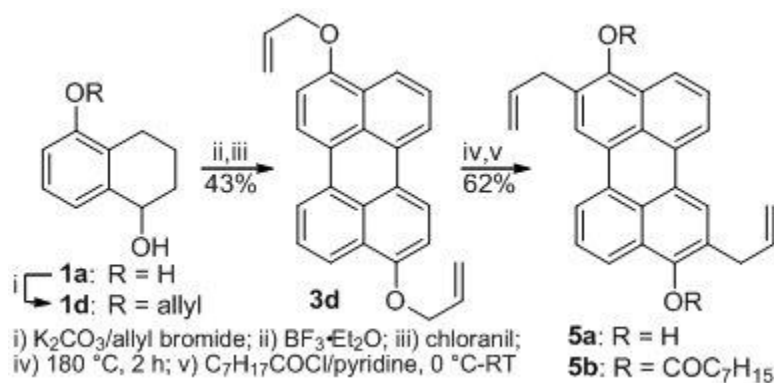
received Sep 17 2011; accepted Nov 19 2011; published Feb 11 2012;

#### 10. Claisen rearrangement route to novel electron-rich perylene dyes (12-6835QP)

Djan Baffoe, Terrill D. Smith, Mark A. Penick, Mathew P. D. Mahindaratne, Lorenzo Brancaleon and George R. Negrete

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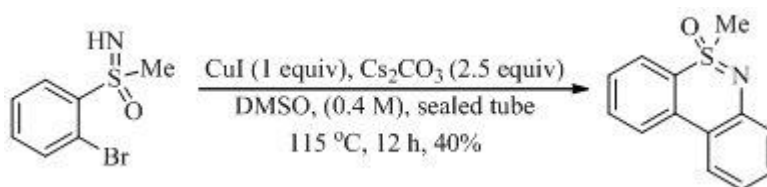
received Aug 11 2011; accepted Dec 27 2011; published Feb 11 2012;

#### 11. Formation of a benzothiazine via the reaction of ortho-halo sulfoximines with copper salts (12-6823IP)

Aswinkumar Garimallaprabhakaran, Xuechuan Hong and Michael Harmata

Full Text: [PDF \(167K\)](#)

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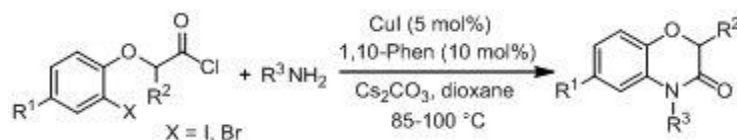
received Aug 8 2011; accepted Jan 27 2012; published Feb 19 2012;

## 12. Copper-catalyzed one-pot synthesis of 2*H*-1,4-benzoxazin-3-(4*H*)-ones from 2-(*o*-haloaryloxy)acyl chlorides and primary amines (12-6879ZP)

Qunxian Hu, Ziming Xia, Ling Fan, Jiening Zheng, Xiaoxia Wang and Xin Lv

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

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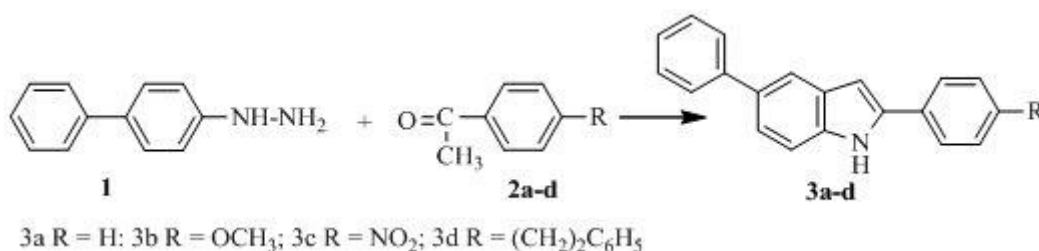
received Aug 31 2011; accepted Nov 27 2011; published Feb 23 2012;

## 13. Some new derivatives of 5-aryl-, 2,5-diaryl- and 2-ethoxycarbonyl-5-aryl-indoles (12-6844UP)

Ioseb S. Chikvaidze, Nana N. Barbakadze, Shota A. Samsoniya

Full Text: [PDF \(370K\)](#)

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received Aug 16 2011; accepted Jan 19 2012; published Feb 28 2012;

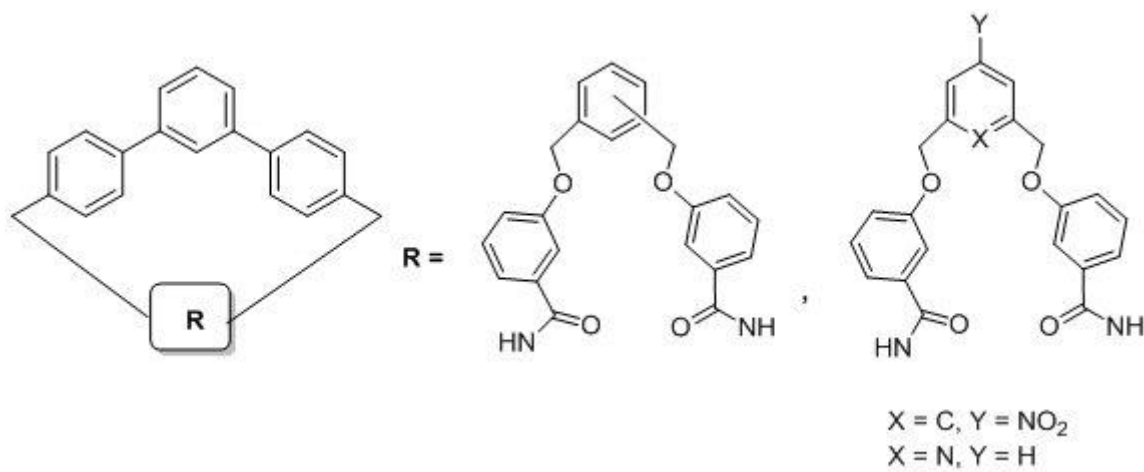
## 14. Synthesis and charge-transfer complexation studies on bis(aminomethyl) *m*-terphenyl based bis-oxy cyclophanes with intra-annular amide functionality (12-6902QP)

Perumal Rajakumar and Ramar Padmanabhan

Full Text: [PDF \(101K\)](#)

Supplementary Material: [PDF \(39K\)](#)

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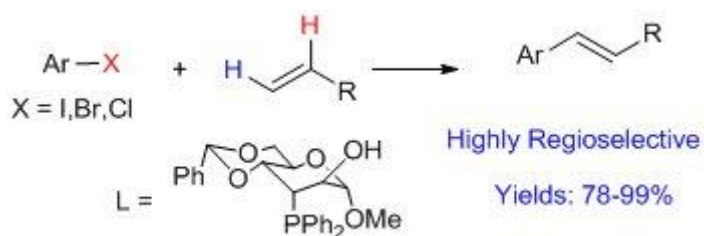
received Sep 8 2011; accepted Dec 10 2011; published Mar 18 2012;

**15. Highly regioselective Heck-Mizoroki reaction catalyzed by Pd/phosphine ligand in DMSO/[bmim][BF<sub>4</sub>] under microwave irradiation (12-6951SP)**

*Zhonggao Zhou, Yongrong Xie, Ziyi Du, Qiaosheng Hu, Jun Xue and Jicheng Shi*

Full Text: [PDF \(124K\)](#)

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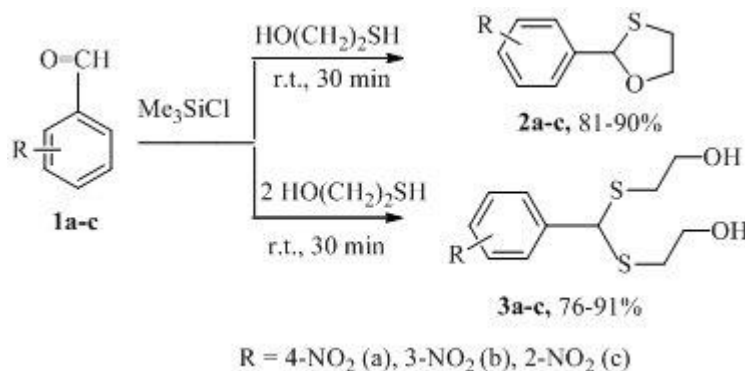
received Sep 27 2011; accepted Dec 10 2011; published Mar 18 2012;

**16. Nitroaromatic bis(2-hydroxyethyl)dithioacetals and oxathioacetals using 2-mercaptoethanol in the presence of chlorosilanes (12-6539IP)**

*Lyubov Konstantinovna Papernaya, Alexandra Alexandrovna Shatrova, Alexander Ivanovich Albanov, Lyudmila Vasil'evna Klyba and Galina Grigor'ievna Levkovskaya*

Full Text: [PDF \(176K\)](#)

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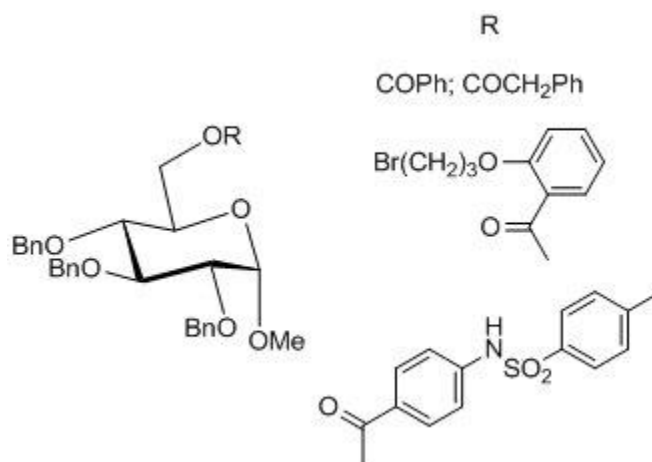
received Apr 22 2011; accepted Dec 10 2011; published Mar 18 2012;

### 17. Synthesis of esters derived from 2,3,4-tri-*O*-benzyl- $\alpha$ -D-methylglucoside (12-6433RP)

Tiago A.D. Pinto, Radim Hrdina, Gilbert Kirsch, Ana M.F. Oliveira-Campos, L gia M. Rodrigues and Ana P. Esteves

Full Text: [PDF \(127K\)](#)

pp. 185 - 193



received Mar 16 2011; accepted Dec 17 2011; published Mar 18 2012;

### 18. Five- and six-membered cyclic $\alpha$ -acylvinyl anionic synthons: synthesis of $\alpha$ -trimethylsilyl- $\alpha,\beta$ -unsaturated cycloalkenones and their conversion into 2-(hydroxydimethylsilyl)cycloalk-2-enones through carbon-silicon bond scission (12-6880JP)

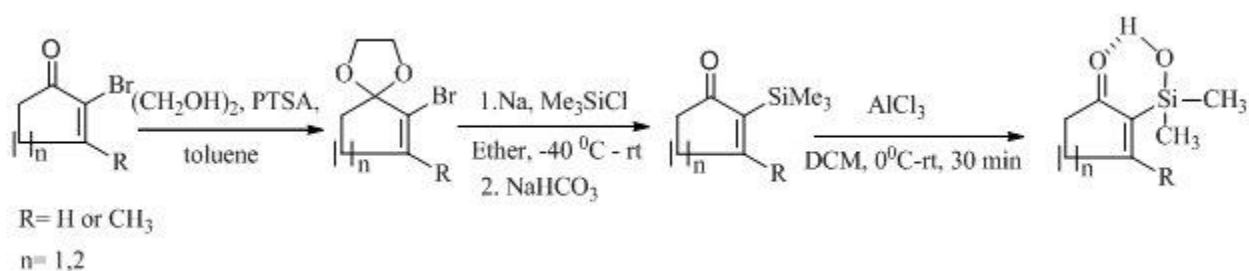
Divya Jyothi and HariPrasad Suresh

Full Text: [PDF \(126K\)](#)

Supplementary Material: [PDF \(2,144K\)](#)

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received Aug 31 2011; accepted Dec 3 2011; published Mar 18 2012;

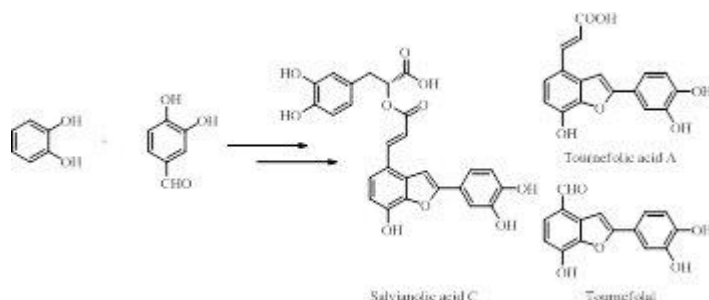
### 19. First total synthesis of salvianolic acid C, tournefolic acid A, and tournefolal (12-6915NP)

*Si-Da Shen, Gui-Ping Zhang, Min Lei and Li-Hong Hu*

Full Text: [PDF \(365K\)](#)

Supplementary Material: [PDF \(1,507K\)](#)

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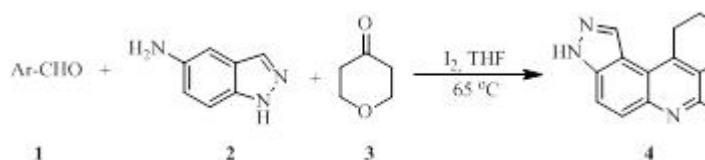
received Sep 14 2011; accepted Mar 27 2012; published Apr 16 2012;

### 20. Highly efficient synthesis of 7-aryl-pyrano[3,4-c]pyrazolo [4,3-f]quinoline derivatives catalyzed by iodine (12-7126ZP)

*Wei Wang, Yu-Ling Li and Xiang-Shan Wang*

Full Text: [PDF \(189K\)](#)

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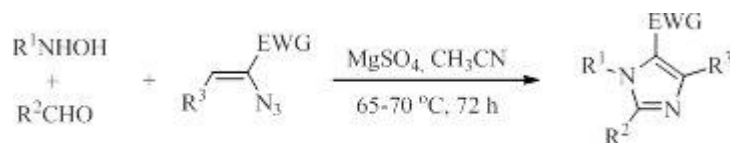
received Nov 28 2011; accepted Feb 18 2012; published Apr 16 2012;

**21. One-pot synthesis of 1,2,4,5-tetrasubstituted imidazoles by a tandem three-component reaction of hydroxylamines, aldehydes and 2-azido acrylates (12-7294VP)**

Bao Hu, Ning Ai, Zhao Wang, Xiaoliang Xu and Xiaonian Li

Full Text: [PDF \(348K\)](#)

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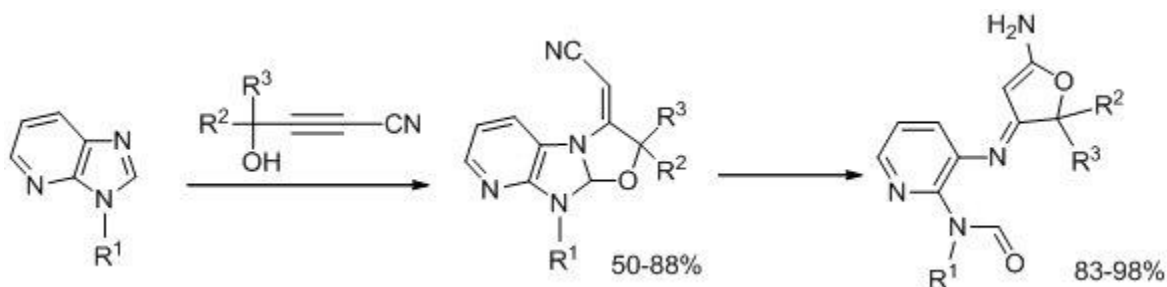
received Feb 7 2012; accepted Mar 28 2012; published Apr 16 2012;

**22. Stereoselective annelation of 3-substituted imidazo[4,5-b]pyridines with cyanoacetylenic alcohols and domino rearrangement of the adducts (12-6932UP)**

Boris A. Trofimov, Ludmila Andriyankova, Lina Nikitina, Kseniya Belyaeva, Anastasiya Mal'kina, Oleg Dyachenko, Olga Kazheva, Anatolii Chekhlov and Andrei Afonin

Full Text: [PDF \(263K\)](#)

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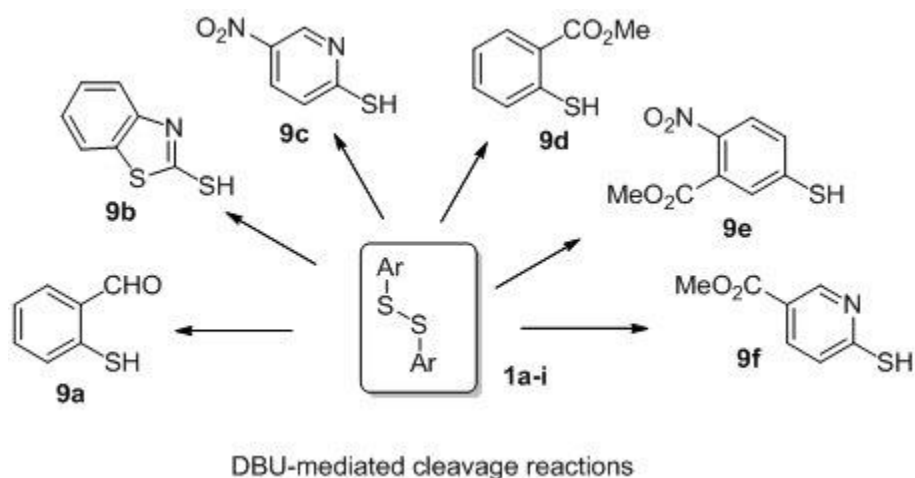
received Sep 21 2011; accepted Dec 27 2011; published Apr 16 2012;

**23. DBU-mediated cleavage of aryl- and heteroaryl disulfides (12-7066QP)**

Dubekile Nyoni, Kevin A. Lobb, Perry T. Kaye and Mino R. Cairab

Full Text: [PDF \(155K\)](#)

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received Nov 1 2011; accepted Dec 27 2011; published Apr 16 2012;

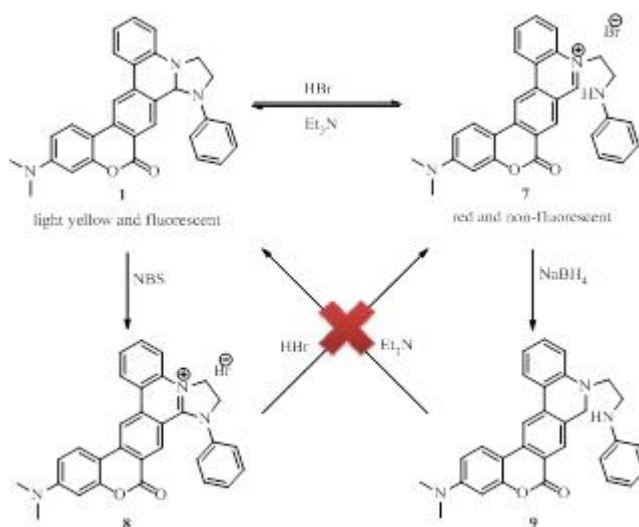
#### 24. Synthesis of a coumarin/phenanthridine-fused heterocycle as a lockable colorimetric fluorescence molecular switch (12-7022VP)

Shih-Hsun Su and Ding-Yah Yang

Full Text: [PDF \(557K\)](#)

Supplementary Material: [PDF \(1,241K\)](#)

pp. 253 - 263



received Oct 16 2011; accepted Feb 18 2012; published Apr 22 2012;

#### 25. Structure-reactivity study of *O*-tosyl *Cinchona* alkaloids in their new synthesis and in hydrolysis to 9-epibases. Unexpected formation of cinchonidine enol tosylate accelerated by microwave activation

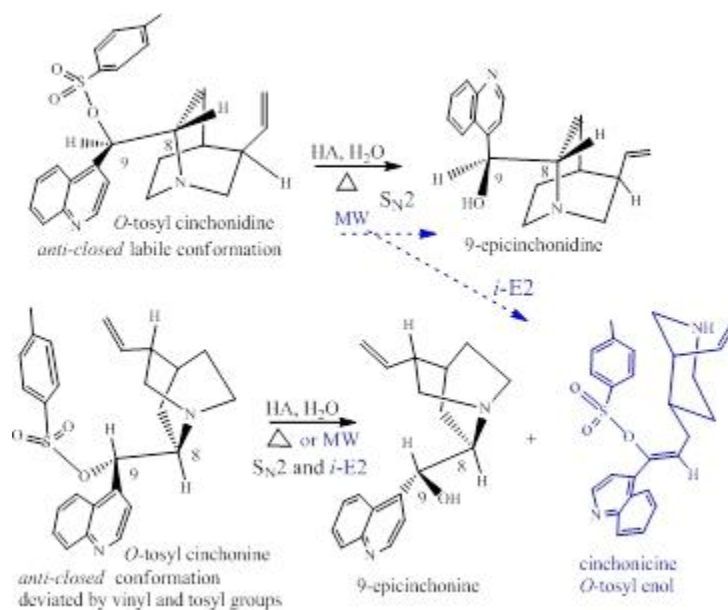
(12-6864OP)

Teodozja M. Lipińska, Katarzyna Piechocka, Monika Denisiuk, Beata Chmiel and Agnieszka Skąrska-Stania

Full Text: [PDF \(922K\)](#)

Supplementary Material: [PDF \(1,122K\)](#)

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received Aug 23 2011; accepted Mar 24 2012; published Apr 22 2012;

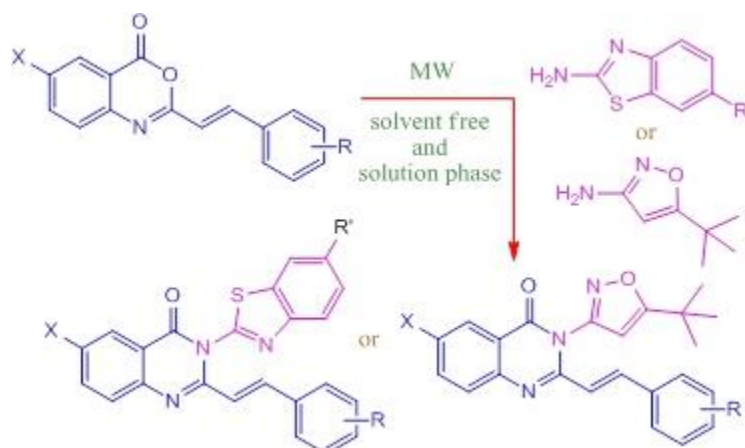
## 26. A comparative study of solution phase as well as solvent free microwave assisted syntheses of 3-benzothiazole/isoxazole substituted 2-styryl-4(3*H*)-quinazolinones (12-6821IP)

Chandresh L. Jagani, Satish F. Vanparia, Tarosh S. Patel, Ritu B. Dixit and Bharat C. Dixit

Full Text: [PDF \(254K\)](#)

Supplementary Material: [PDF \(819K\)](#)

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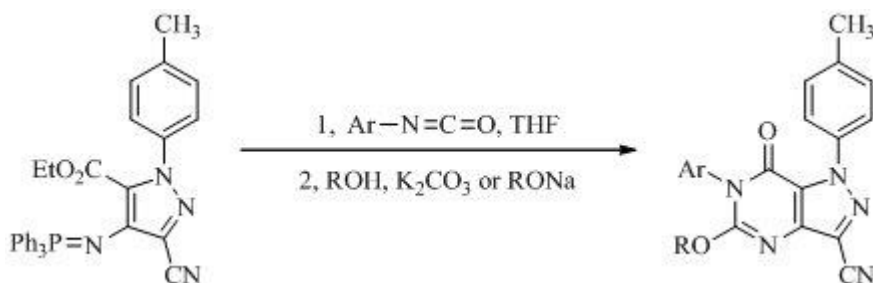
received Aug 7 2011; accepted Feb 18 2012; published Apr 25 2012;

**27. A facile and efficient one-pot three-step protocol for synthesis of 6-aryl-7-oxo-5-aryoxy/alkoxy-1-(*p*-tolyl)-6,7-dihydro-1H-pyrazolo[4,3-*d*]pyrimidine-3-carbonitrile (12-7144QP)**

*Ming-Hu Wu, Ji-Huan Hu, Hai-Bing Guo and Yan Li*

Full Text: [PDF \(291K\)](#)

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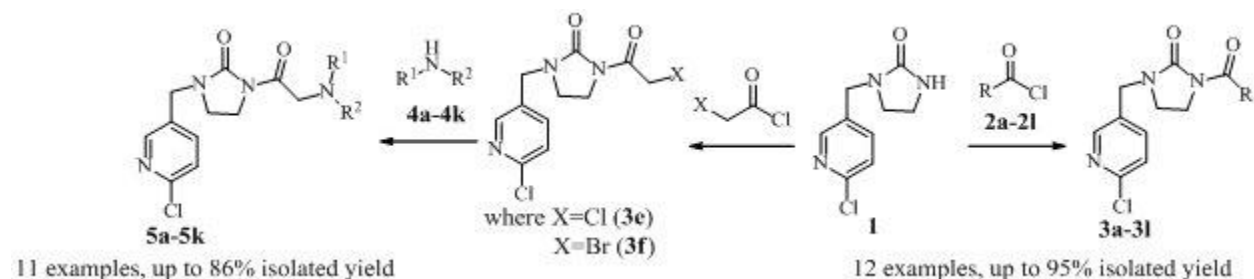
received Dec 6 2011; accepted Feb 18 2012; published May 9 2012;

**28. Synthesis and characterization of novel *N*-acyl cyclic urea derivatives (12-6773HP)**

*Tingting Yang and Guohua Gao*

Full Text: [PDF \(166K\)](#)

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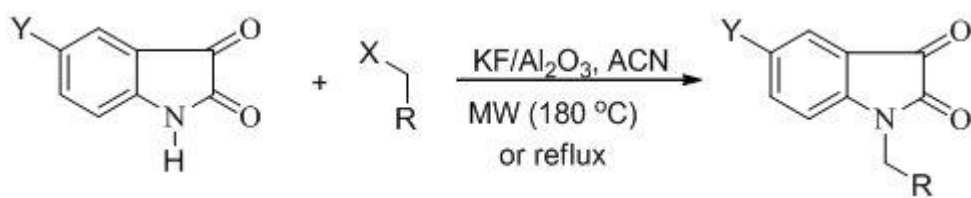
received Jul 17 2011; accepted Feb 11 2012; published May 10 2012;

## 29. N-alkylation of isatins utilizing KF/alumina (12-7191UP)

Charles M. Clay, Hagar M. Abdallah, Carly Jordan, Kyle Knisley and Daniel M. Ketcha

Full Text: [PDF \(118K\)](#)

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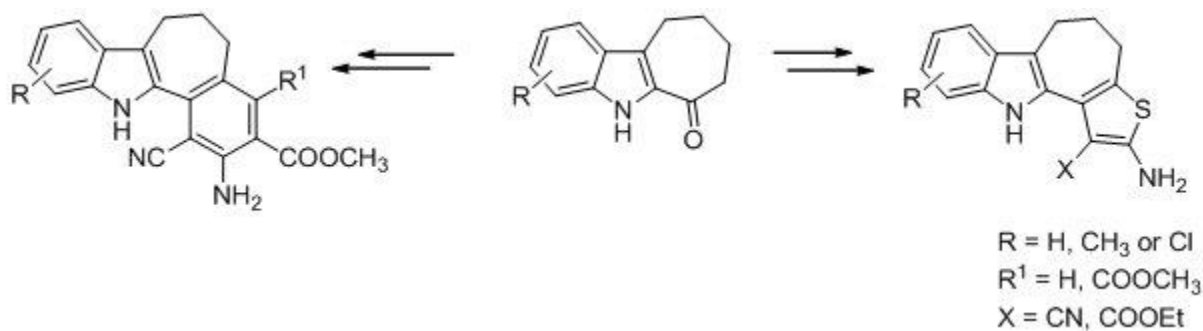
received Dec 21 2011; accepted Feb 11 2012; published May 13 2012;

## 30. Synthesis of thieno- and benzocyclohepta[b]indoles: Gewald reaction and regioselective cycloaddition of acetylenic esters (12-7162IP)

Ezhumalai Yamuna, Matthias Zeller, Philip O. Adero and Karnam Jayaramapillai Rajendra Prasad.

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received Dec 12 2011; accepted Feb 18 2012; published May 21 2012;

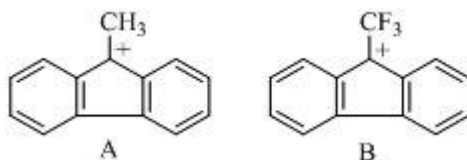
### 31. Direct observation of a doubly destabilized cation (12-7057QP)

Hanan Afifi, Alexandre Mikhailine, Gabriela Mladenova, Andrei Chtchemelinine, Israt Sultana, Tatiana Dyblenko, Evgeny Danilov, Rene Fournier and Edward Lee-Ruff

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

Supplementary Material: [PDF \(54K\)](#)

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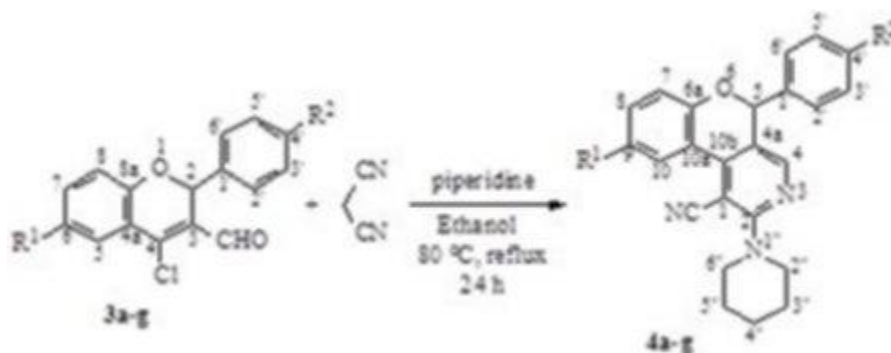
received Oct 28 2011; accepted Apr 14 2012; published May 23 2012;

### 32. Synthesis of 5-aryl-2-piperidino-5H-chromeno[3,4-c]pyridine-1-carbonitriles (12-7010IP)

M. Venkati, S. Satyanarayana Reddy, G. Y. S. K. Swamy, K. Ravikumar and G. L. David Krupadanam

Full Text: [PDF \(229K\)](#)

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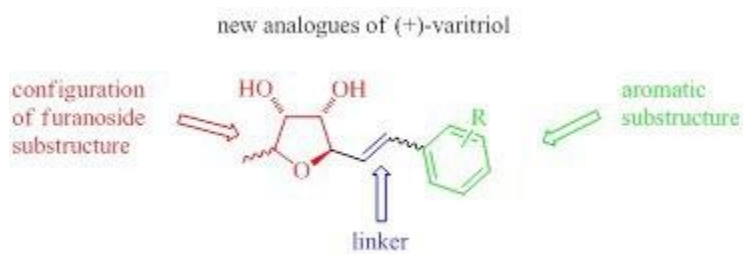
received Oct 12 2011; accepted Feb 18 2012; published May 23 2012;

### 33. Synthesis and antitumour activity of varitriol and its analogues (12-7295YP)

Oľga Caletkov j, Angelika L jsikov j, Mari jn Hajd ch, Petr D  ub jk and Tibor Gracza

Full Text: [PDF \(531K\)](#)

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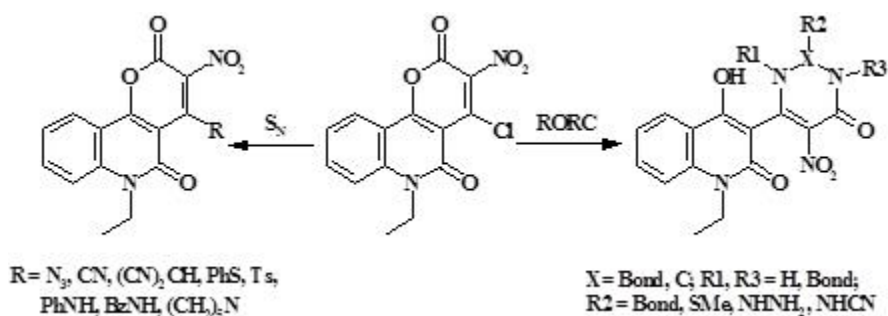
received Feb 7 2012; accepted Apr 14 2012; published May 24 2012;

### 34. Nucleophilic substitution and ring transformation reactions with 4-chloro-6-ethyl-3-nitropyrano[3,2-c]quinoline-2,5(6H)-dione (12-7329DP)

Hany Mohamed Hassnin

Full Text: [PDF \(160K\)](#)

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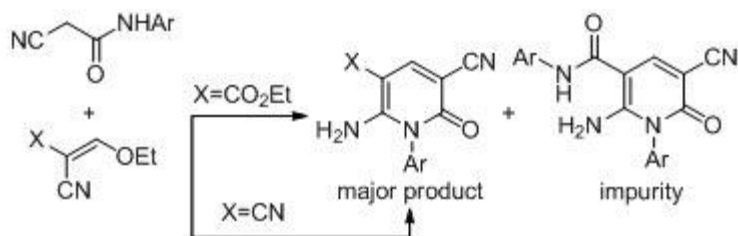
received Feb 26 2012; accepted Apr 14 2012; published May 31 2012;

### 35. Competing transformations of 2-cyanoacetanilides in the reactions with derivatives of ethoxymethylenemalonic acid (12-6354IP)

Valeriya P. Tkachova, Nikolay Yu. Gorobets, Roman P. Tkachov, Vladimir I. Musatov and Vladimir D. Dyachenko

Full Text: [PDF \(576K\)](#)

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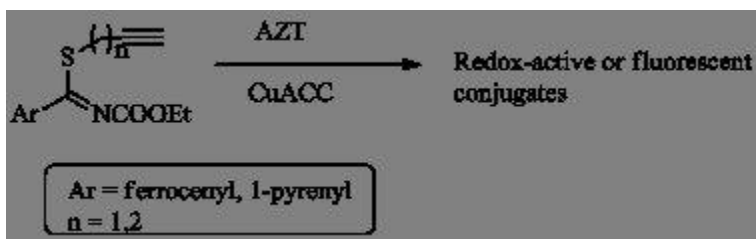
received Feb 17 2011; accepted Dec 22 2011; published Jun 15 2012;

**36. Ferrocenyl and pyrenyl thioimides bearing terminal acetylenic groups. Synthesis and “click” reaction with 3'-azido-3'-deoxythymidine affording novel redox-active and fluorescent thymidine conjugates (12-7332FP)**

*Anna Wrona-Piotrowicz, Damian Plažuk, Sławomir Domagała and Janusz Zakrzewski*

Full Text: [PDF \(157K\)](#)

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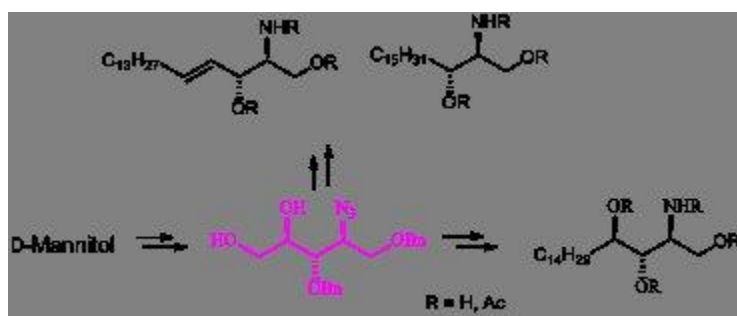
received Feb 27 2012; accepted Aug 2 2012; published Aug 24 2012;

**37. Stereoselective synthesis of *N,O,O,O*-tetraacetyl-D-ribo-phytosphingosine, *N,O,O*-triacetyl-D-erythro-sphingosine and *N,O,O*-triacetyl sphingonine from a common chiral intermediate derived from D-mannitol (12-7378YP)**

*Ravinder Mettu, Narendar Reddy Thatikonda, Oladoye Sunday Olusegun, Ramesh Vishvakarm and Jayathirtha Rao Vaidya*

Full Text: [PDF \(588K\)](#)

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received Mar 23 2012; accepted Jul 25 2012; published Aug 24 2012;