

**1. A Tribute to Prof. A. V. Rama Rao (AR-498DT)**

*Dr. J S Yadav*

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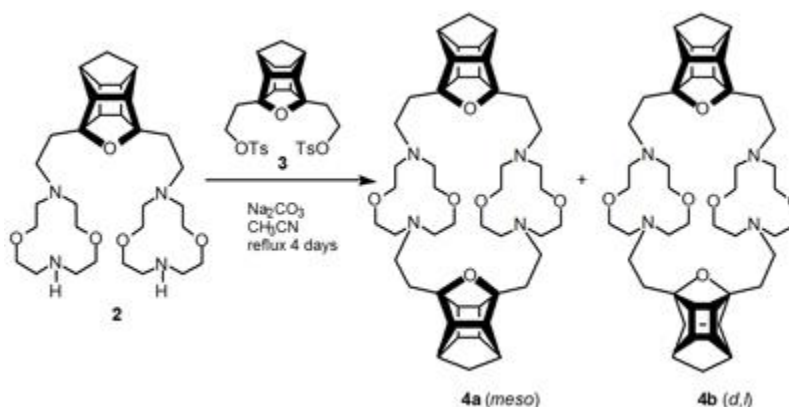
accepted Sep 23 2004; published Oct 2 2004;

**2. Metal cation complexation of a novel, doubly cage-annulated molecular box by electrospray ionization mass spectrometry (AR-957KP)**

*Courtney L. Sherman, Jennifer S. Brodbelt, Gadthula Srinivas, Rasapalli Sivappa and Alan P. Marchand*

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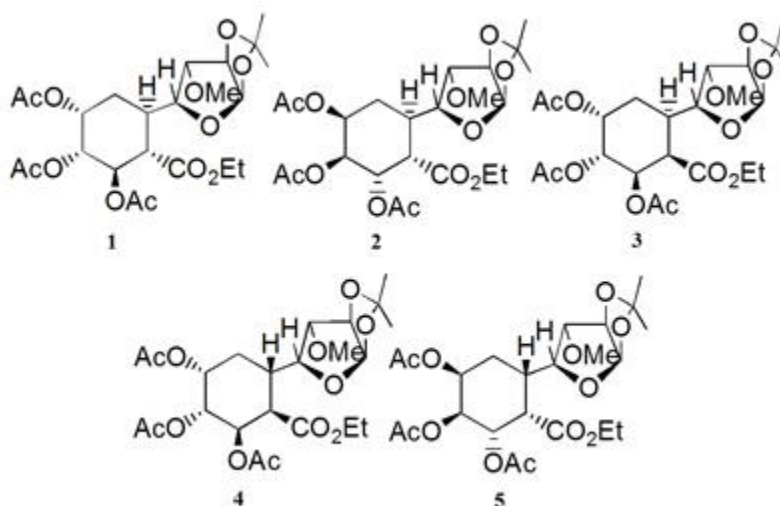
received Oct 23 2003; accepted Jan 15 2004; published Jan 28 2004;

**3. Synthesis of pseudo saccharide precursors through 'off template site' Michael–Wittig reaction on sugar derived enal (AR-1004DP)**

*G V M Sharma, A Subhash Chander, Palakodety Radha Krishna, K Krishnudu, M H V Ramana Rao and A C Kunwar*

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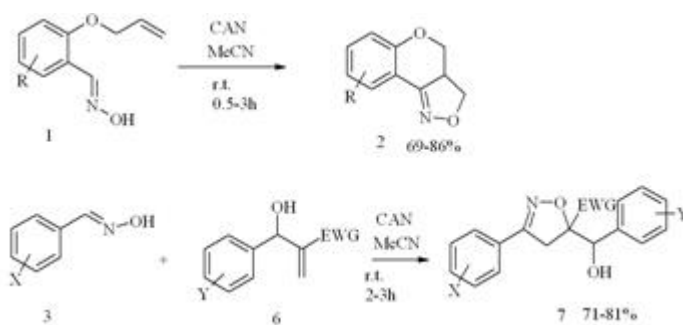
received Dec 5 2003; accepted May 3 2004; published Jun 3 2004;

#### 4. An easy access to chromano-isoxazolines and functionalized isoxazolines (AR-1162KP)

*Biswanath Das, Gurram Mahender, Harish Holla and Joydeep Banerjee*

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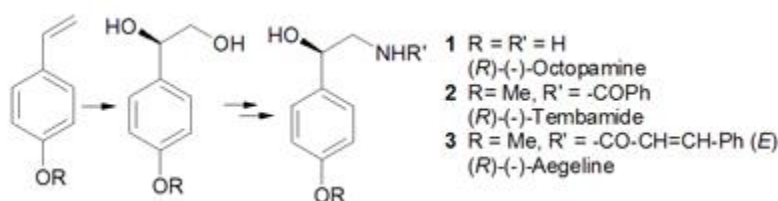
received Jun 22 2004; accepted Jul 27 2004; published Aug 4 2004;

#### 5. An asymmetric dihydroxylation route to (R)-(-)-octopamine, (R)-(-)-tembamide and (R)-(-)-aegeline (AR-1171KP)

*Ramalingam Sadyandy, Rodney A. Fernandes and Pradeep Kumar*

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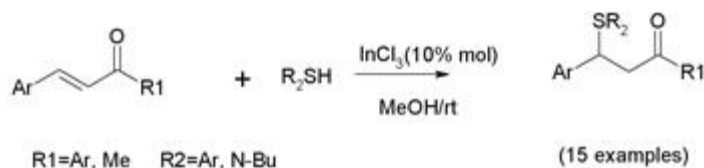
received Jul 7 2004; accepted Aug 12 2004; published Aug 24 2004;

## 6. Indium(III) chloride $\hat{A}$ - catalyzed Michael addition of thiols to chalcones : A remarkable solvent effect (AR-1199KP)

Brindaban C. Ranu, Suwendu S. Dey, Sampak Samanta

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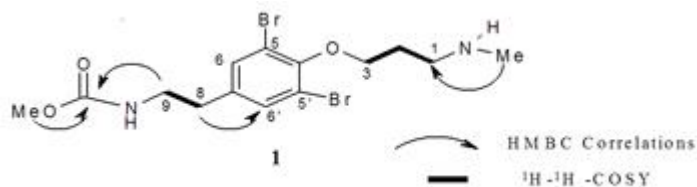
received Aug 28 2004; accepted Sep 23 2004; published Sep 26 2004;

## 7. A new dibromotyrosine-derived metabolite from the sponge *Psammalphysilla purpurea* (AR-1159KP)

K. Ravinder, A. Vijender Reddy, T.V. Raju and Y. Venkateswarlu

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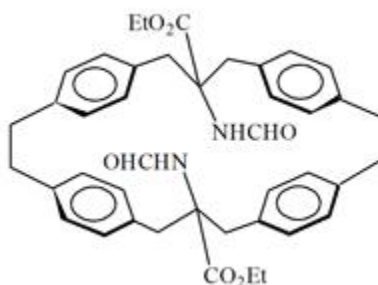
received Jun 11 2004; accepted Sep 23 2004; published Sep 26 2004;

## 8. Synthesis of macrocyclic cyclophane-based unusual $\alpha$ -amino acid derivatives (AR-1169KP)

Sambasivarao Kotha and Somnath Halder

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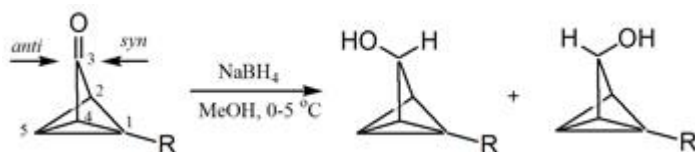
received Jun 29 2004; accepted Sep 22 2004; published Oct 2 2004;

### 9. 1-Substituted-tricyclo[2.1.0.0 2,5]pentan-3-ones. Revisiting the diastereoselectivity (AR-1172KP)

Veejendra K. Yadav and Virinder Singh Yadava

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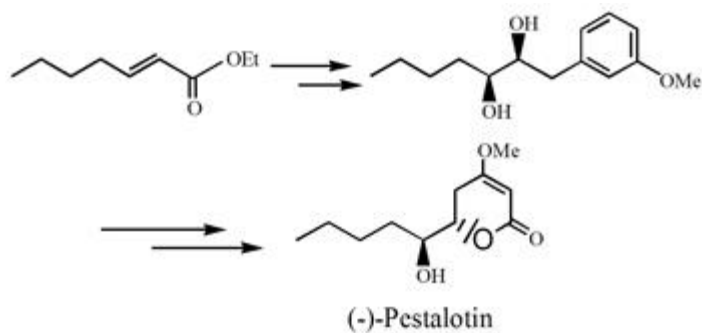
received Jul 7 2004; accepted Oct 1 2004; published Oct 8 2004;

### 10. Stereoselective synthesis of (-)-pestalotin (AR-1178KP)

A. Shashidhar Kumar, Pushpal Bhaket and B. Venkateswara Rao

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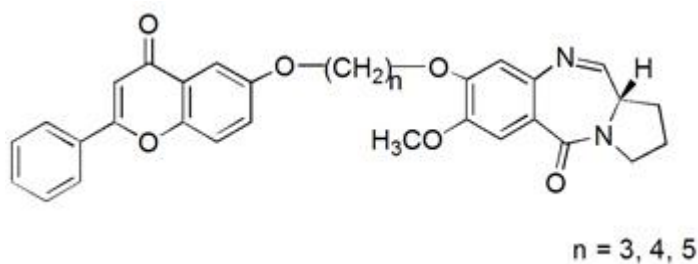
received Jul 16 2004; accepted Nov 5 2004; published Nov 12 2004;

**11. Synthesis and evaluation of new pyrrolo[2,1-c][1,4]benzodiazepine hybrids linked to a flavone moiety (AR-1216KP)**

Ahmed Kamal, R. Ramu, G. B. Ramesh Khanna, Ajit Kumar Saxena, M. Shanmugavel and Renu Moti Pandita

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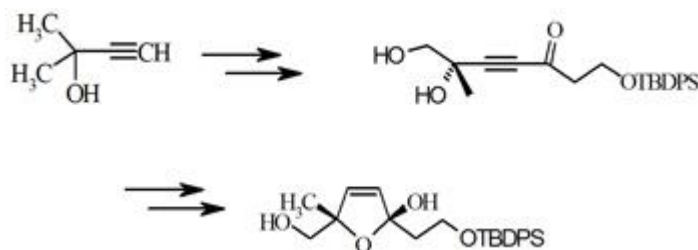
received Sep 10 2004; accepted Oct 31 2004; published Nov 12 2004;

**12. Synthesis of C ring of Eleutherobin (AR-1191KP)**

S. Chandrasekhar, Ch. Narsihmulu, V. Jagadeshwar and S. Shameem sultana

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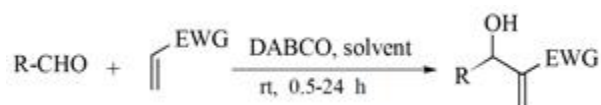
received Aug 19 2004; accepted Nov 9 2004; published Nov 19 2004;

**13. Novel aprotic polar solvents for facile Baylis-Hillman reaction (AR-1203KP)**

Palakodety Radha Krishna, A Manjuvani and Empati Raja Sekhar

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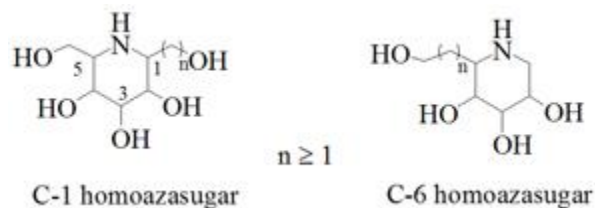
received Sep 1 2004; accepted Nov 5 2004; published Nov 20 2004;

**14. Piperidine homoazasugars: Natural occurrence, synthetic aspects and biological activity study (AR-1180KR)**

*Dilip D. Dhavale, Mohammed M. Matin*

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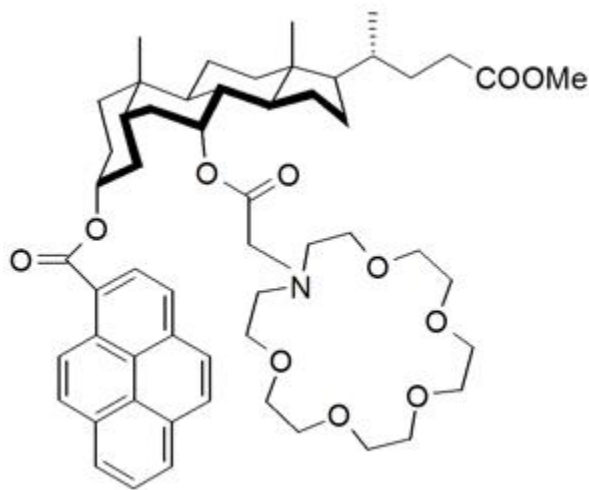
received Jul 19 2004; accepted Nov 5 2004; published Dec 11 2004;

**15. A bile acid derived potassium ion sensor (AR-1247KP)**

*Uday Maitra and Suvadeep Nath*

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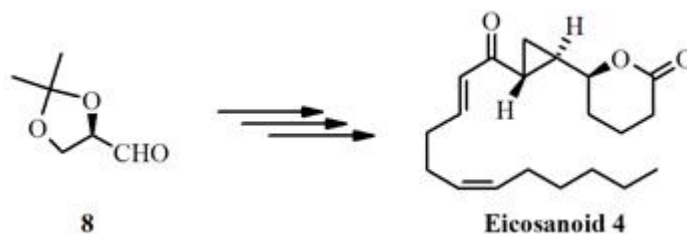
received Oct 15 2004; accepted Dec 14 2004; published Dec 15 2004;

**16. Asymmetric total synthesis of eicosanoid (AR-1210DP)**

*Debendra K. Mohapatra and Gorakhanath S. Yellol*

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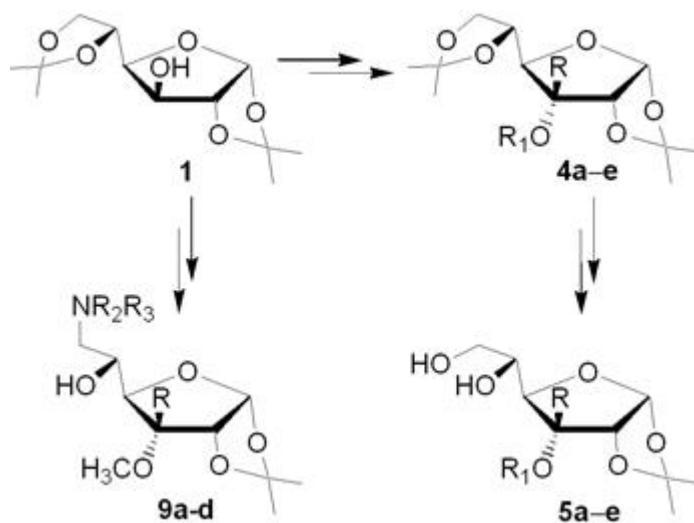
received Sep 6 2004; accepted Dec 28 2004; published Jan 1 2005;

**17. Synthesis and anti-cancer activity of disubstituted- and deoxytrisubstituted- $\alpha$ -D-allofuranoses (AR-1284KP)**

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

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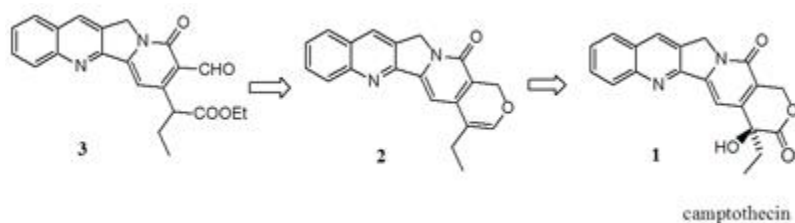
received Nov 23 2004; accepted Dec 28 1999; published Jan 1 2005;

**18. Synthesis of (+)-camptothecin (AR-1221DP)**

*Subhash P. Chavan and M. S. Venkatraman*

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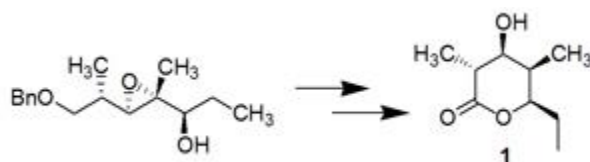
received Sep 16 2004; accepted Jan 8 2005; published Jan 15 2005;

### 19. Synthesis of 3,5-dihydroxy-2,4-dimethyl-n-heptanoic acid $\delta$ -lactone (AR-1190KP)

*Tushar K. Chakraborty, Subhasish Tapadar and Saumya Roy*

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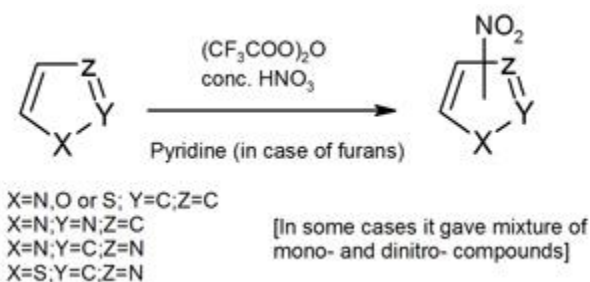
received Aug 13 2004; accepted Dec 29 2004; published Jan 15 2005;

### 20. Direct nitration of five membered heterocycles (AR-1313KP)

*Alan R. Katritzky, Eric F.V. Scriven, Suman Majumder, Rena G. Akhmedova, Novruz G. Akhmedov and Anatoliy V. Vakulenko*

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received Dec 21 2004; accepted Jan 14 2005; published Jan 28 2005;

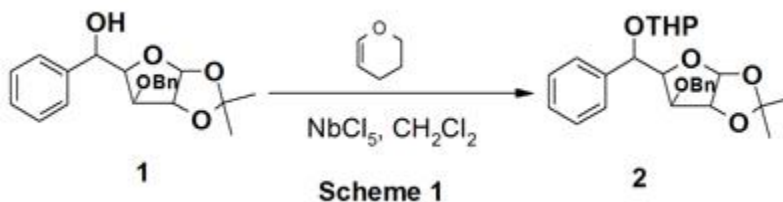
### 21. Niobium (V) chloride: An active Lewis acid catalyst for tetrahydropyranylation of alcohols and phenols (AR-1287KP)



K. Nagaiah, B. V. S. Reddy, D. Sreenu, A. Venkat Narsaiah

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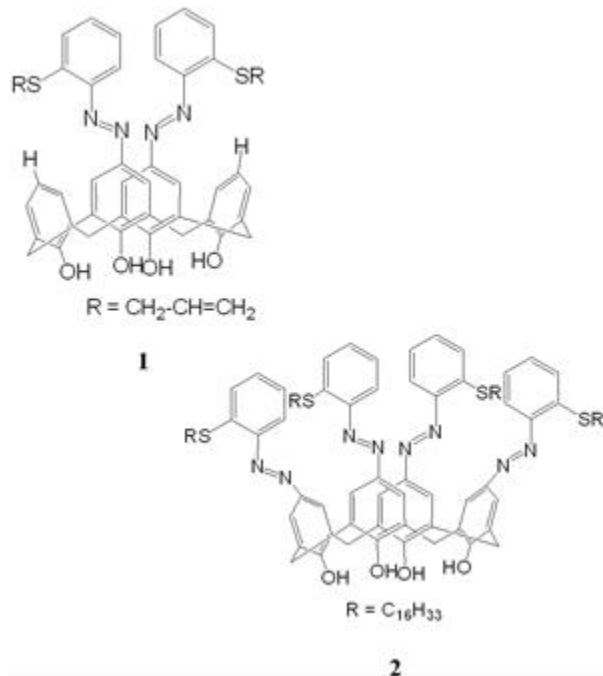
received Nov 26 2004; accepted Jan 21 2005; published Feb 5 2005;

**22. Electronic absorption spectroscopic investigation of the solution binding of Hg(II) and Pd(II) to the upper rim substituted chromogenic calix[4]arene: 5,11-bis-(2-allylthiophenylazo)-25,26,27,28-tetrahydroxy calix[4]arene and 5,11,17,23-tetrakis-(2-cetylthiophenylazo)-25,26,27,28-tetrahydroxycalix[4]arene (AR-1336KP)**

Lukesh Bajaj, H. Mohindra Chawla, Tania Francis and N. Venkatesan

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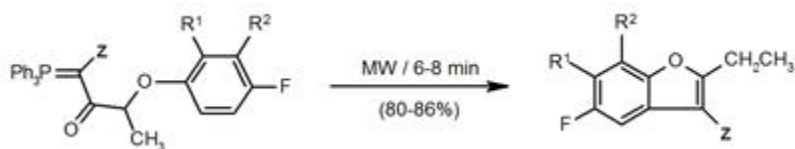
received Jan 6 2005; accepted Feb 3 2005; published Feb 11 2005;

**23. Synthesis of fluorine containing 3-cyano/ethoxycarbonyl-2-ethyl-benzo[b]furans via microwave assisted tandem intramolecular Wittig and Claisen rearrangement reactions (AR-1340KP)**

*V.V.V.N.S. Rama Rao, G. Venkat Reddy, R. Yadla, B. Narsaiah and P. Shanthan Rao*

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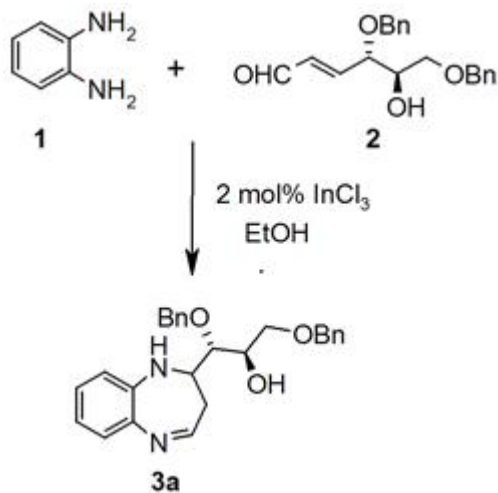
received Jan 11 2005; accepted Feb 11 2005; published Feb 12 2005;

**24. InCl<sub>3</sub>-catalyzed stereoselective synthesis of optically pure 1,5-benzodiazepines (AR-1301KP)**

*J.S. Yadav, B.V.S. Reddy, G. Satheesh G. Srinivasulu and A. C. Kunwar*

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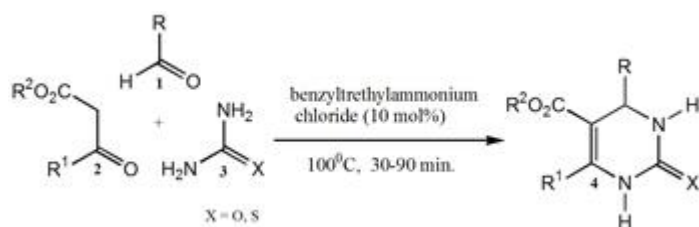
received Dec 10 2004; accepted Feb 16 2005; published Feb 17 2005;

**25. New environmentally benign protocol for the synthesis of 3,4-dihydropyrimidin-2(1H)-ones: Practical access to mitotic kinesin EG5 inhibitor Monastrol (AR-1331KP)**

*D. Subhas Bose, Madapa Sudharshan and Sanjay W Chavhan*

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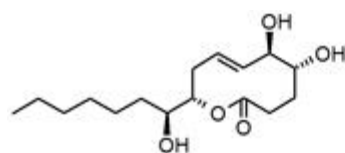
received Jan 3 2005; accepted Feb 1 2005; published Feb 17 2005;

## 26. Ring-closing metathesis mediated total synthesis of microcarpalide and herbarumin III (AR-1349KP)

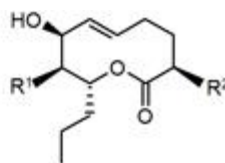
Mukund K. Gurjar, Ravi Nagaprasad, C. V. Ramana, Sukhen Karmakar and Debendra K. Mohapatra

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1 (Microcarpalide)



- 2 R<sup>1</sup> = OH, R<sup>2</sup> = H (Herbarumin I)
- 3 R<sup>1</sup> = H, R<sup>2</sup> = OH (Herbarumin II)
- 4 R<sup>1</sup> = R<sup>2</sup> = H (Herbarumin III)

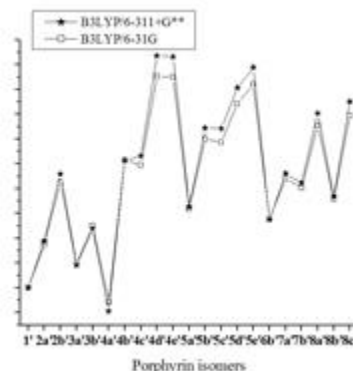
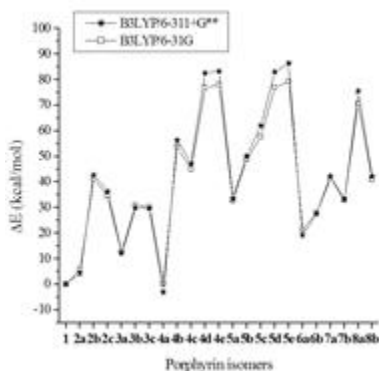
received Jan 20 2005; accepted Feb 18 2005; published Feb 24 2005;

## 27. A density functional theory study on the porphyrin isomers: Effect of meso-bridge length, relative stabilities, *cis-trans* isomerism (AR-1294KP)

M. Punnagai, B.Sateesh and G. Narahari Sastry

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

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received Dec 6 2004; accepted Feb 18 2005; published Mar 3 2005;