ARKIVOC Volume 2007

Part (x): Commemorative Issue in Honor of Prof. Alain Krief on the occasion of his 65th anniversary

Facilitator: Laurent Provins Scientific Editor: Girolamo Cirrincione

1. A Tribute to Prof. Alain Krief (AK-1418GT)

Full Text: PDF (158K)

pp. 1 - 4

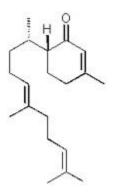
accepted Apr 13 2006; published Apr 25 2006;

2. A new diterpene enone from the soldier beetle *Cantharis livida* (Coleoptera: Cantharidae) (AK-1923GP)

Christophe Durvaux, Pascal Laurent, Désiré Daloze, Jean-Claude Braekman, Roland Lupoli, Jean-Luc Dimarcq and Jacques Pasteels

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received May 12 2006; accepted Sep 12 2006; published Oct 15 2006;

3. Recent advances in bismuth mediated aldol and Mannich reactions (AK-1984GU)

Thierry Ollevier, Valerie Desyroy and Etienne Nadeau

Full Text: PDF (193K)

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$$R^{1} H + R^{3} \times R^{5} \qquad \frac{BiX_{3}}{X = 0, NR^{2}} \qquad R^{1} \times R^{5}$$

received Jul 3 2006; accepted Sep 20 2006; published Oct 15 2006;

4. Stereoselective addition reactions with chalcogen electrophiles (AK-2054GP)

Franz W. Bürgler, Gianfranco Fragale and Thomas Wirth

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received Aug 2 2006; accepted Sep 19 2006; published Oct 15 2006;

5. 1,1,3,3-Tetrakis(alkylthio)-1,3-dilithio-2-silapropanes: Useful reagents for the synthesis of polysilacycloalkanes *via* dianionic ring formation (AK-2065GP)

Masaki Shimizu, Masayuki Iwakubo, Yasushi Nishihara, Katsunari Oda and Tamejiro Hiyama Full Text: PDF (447K)

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received Aug 7 2006; accepted Sep 30 2006; published Oct 15 2006;

6. Synthesis and complexing properties of calix dendrimers (AK-2115GU)

Jacques Vicens

Full Text: PDF (186K)

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A review with 17 references

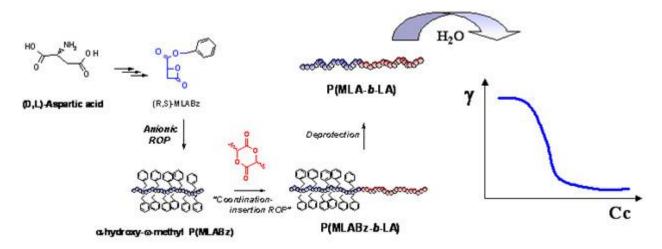
received Aug 28 2006; accepted Oct 9 2006; published Nov 26 2006;

7. Benzyl β-malolactonate: synthesis, copolymerization and design of novel biodegradable macromolecular surfactants (AK-2167GP)

Olivier Coulembier, Jessica Ghisdal, Philippe Degée and Philippe Dubois

Full Text: PDF (300K)

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received Sep 22 2006; accepted Oct 11 2006; published Dec 2 2006;

8. A straightforward synthesis of 3-substituted azetidinic amino acids (AK-2120GP)

Mangaleswaran Sivaprakasham, François Couty, Gwilherm Evano, B. Srinivas, R. Sridhar and K. Rama Rao

Full Text: PDF (523K)

pp. 71 - 93

received Aug 30 2006; accepted Oct 11 2006; published Dec 2 2006;

9. Preparation of enantiomerically pure 1,3-anti-diols by sequential ruthenium-mediated asymmetric hydrogenation reactions (AK-2204GP)

Olivier Labeeuw, Jean-Baptiste Bourg, Phannarath Phansavath and Jean-Pierre Gen $\tilde{A}^{\underline{a}}$ t

Full Text: PDF (355K)

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OEt broad range of R¹, R² groups
$$H_2$$
 [RuLn*]

OH OH OH R1 R2

ee, de up to 99%

H₂ [RuLn*]

OH O
R1 OEt 2. R²Li

 $L_n^* = (R)$ -MeO-BIPHEP or (R)-SYNPHOS®

received Oct 11 2006; accepted Nov 20 2006; published Jan 14 2007;

10. Oxidation of olefins catalyzed by new binaphthyl-ruthenium(III) complexes (AK-2207GP)

Laurent Provins and Shun-Ichi Murahashi

Full Text: PDF (248K)

pp. 107 - 120

received Oct 12 2006; accepted Dec 7 2006; published Jan 14 2007;

11. Metal-mediated synthesis of furans and pyrroles (AK-2243GR)

Nitin T. Patil and Yoshinori Yamamoto

Full Text: PDF (305K)

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received Nov 3 2006; accepted Jan 9 2007; published Feb 18 2007;

12. Microwave mediated syntheses of β-enamino thioic acid derivatives (AK-2250GP)

Alan R. Katritzky, Hui Tao and Kostyantyn Kirichenko

Full Text: PDF (250K)

pp. 142 - 151

received Nov 9 2006; accepted Jan 9 2007; published Feb 25 2007;

13. Metalated heterocycles in organic synthesis: Recent applications (AK-2215GR)

Rafael Chinchilla, Carmen NÃjjera and Miguel Yus

Full Text: PDF (831K)

pp. 152 - 231

received Oct 19 2006; accepted Dec 19 2006; published Feb 28 2007;

14. A convergent approach for the synthesis of fluorinated sphingosine analogues (AK-2285GP)

Harriet Teare, Florian Huguet, Matthew Tredwell, S \tilde{A} ©bastien Thibaudeau, Sajinder K. Luthra and V \tilde{A} ©ronique Gouverneur

Full Text: PDF (254K)

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received Nov 21 2006; accepted Feb 8 2007; published Mar 25 2007;

15. Asymmetric synthesis of **4***H***-1**,**3**-dioxins and investigations in the metal catalyzed aziridination: aziridination versus insertion and stereoselective course (AK-2288GP)

Susanne Flock and Herbert Frauenrath

Full Text: PDF (264K)

Supplementary Material: PDF (299K)

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received Nov 29 2006; accepted Feb 8 2007; published Mar 25 2007;

16. A facile synthesis of 7 or 8 substituted 1-ethyl-3-methyl-11-phenyl-1,4-dihydro-5*H*-pyrazolo[3,4-*c*][1,5]benzodiazocin-5-one. A new ring system (AK-2322GP)

Onofrio Migliara, Patrizia Diana, Vita Di Stefano, Fabiana Plescia and Anna Carbone

Full Text: PDF (182K)

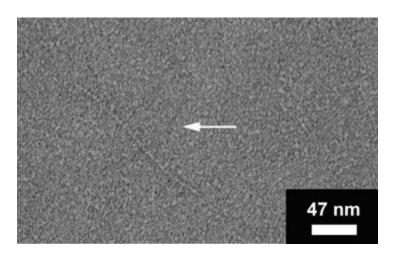
pp. 260 - 267

received Dec 22 2006; accepted Feb 8 2007; published Apr 5 2007;

17. Immobilization of engineered proteins on a nickel chelating molecular wire (AK-2284GP)

Fabrice Balavoine, Anne Girard-Nguyen, Patrick Schultz, Jacques Haiech and Charles Mioskowski Full Text: PDF (298K)

pp. 268 - 277



received Nov 28 2006; accepted Feb 28 2007; published Apr 5 2007;

18. Regioselective preparation of tetrasubstituted alkenes from ketones using Krief`methodology as a key step for a straightforward synthesis of dienynes (AK-2323GP)

Marc Petit, Gaëlle Chouraqui, Corinne Aubert and Max Malacria

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R = Sit-BuMe₂, SiMe₂Ph, Si(i-Pr)₃

received Dec 23 2006; accepted Feb 13 2007; published Apr 8 2007;

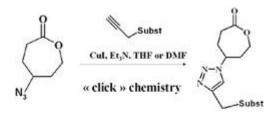
19. Synthesis of new substituted lactones by "click" chemistry (AK-2283GP)

RaphaëI Riva, Laila Chafaqi, Robert JérÃ′me and Philippe Lecomte

Full Text: PDF (233K)

Supplementary Material: PDF (124K)

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Subst: bears a functional group (O-CO-Ph, OH, N(+)Me,Oct, O-CO-CH=CH₂, O-CO-CMe,Br) or a side-chain (PEO)

received Nov 29 2006; accepted Feb 8 2007; published Apr 15 2007;

20. Efficient synthesis of aryldipyrromethanes in water and their application in the synthesis of corroles and dipyrromethenes (AK-2271GP)

Taoufik Rohand, Eduard Dolusic, Thien H. Ngo, Wouter Maes and Wim Dehaen

Full Text: PDF (341K)

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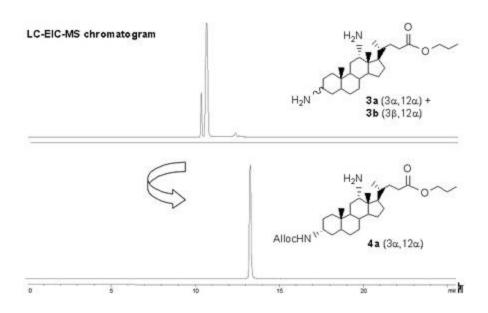
received Nov 22 2006; accepted Feb 8 2007; published Apr 28 2007;

21. LC-(TIC/EIC)-MS as tool in the analysis of diastereomeric **3,12**-aza-analogues of deoxycholic acid (AK-2287GP)

Dieter Verzele, Jan L. Goeman and Annemieke Madder

Full Text: PDF (264K)

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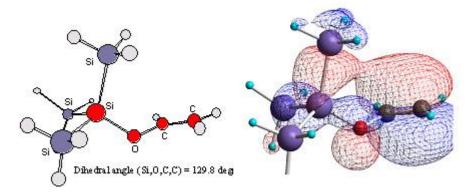
received Nov 30 2006; accepted Mar 7 2007; published Apr 29 2007;

22. The unique reactivity of "super silyl" in organic synthesis: A theoretical study (AK-2278GP)

Matsujiro Akakura, Matthew B. Boxer and Hisashi Yamamoto

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received Nov 27 2006; accepted Mar 1 2007; published May 26 2007;

23. Stereoselectivity of the hydrogenation of galactofuranosyl exoglycals (AK-2305GP)

Audrey Caravano, Weidong Pan and Stéphane P. Vincent

Full Text: PDF (411K)

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$$R^{2} = \text{Hor hindering group}$$

$$R^{3} = \text{Hor hindering group}$$

received Nov 28 2006; accepted Feb 28 2007; published Jun 2 2007;

24. Reactivity of 1-alkyl-2-(bromomethyl)aziridines towards n-butyllithium (AK-2380GP)

Matthias DÂ'hooghe and Norbert De Kimpe

Full Text: PDF (114K)

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received Feb 9 2007; accepted Aug 15 2007; published Aug 26 2007;

25. Synthesis of new substituted thieno[2,3-d]imidazolone from hydantoin (AK-2680GP)

Lalla AÃ⁻cha Ba, Gilbert Kirsch and Jérémie Castello

Full Text: PDF (149K)

pp. 374 - 380

received Jul 30 2007; accepted Oct 22 2007; published Nov 25 2007;

26. New N-bridgehead heterocyclic compounds. II. Carbamoyl-substituted azaindolizines (AK-2497GP)

Emilian Georgescu, Florentina Georgescu, Paula C. Iuhas, Constantin Draghici, Mariana G. Danila and Petru I. Filip

Full Text: PDF (450K)

pp. 381 - 394

$$\begin{array}{c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\$$

received May 4 2007; accepted Sep 26 2007; published Nov 29 2007;