ARKIVOC Volume 2002

Part (vii): Commemorative Issue in Honor of Prof. Satinde V. Kessar on the occasion of his 70th anniversary

Facilitator: Ganesh Pandey Scientific Editor: Christopher A. Ramsden

1. A Tribute to Prof. Satinde Kessar (SK-1411ET)

None provided.

Full Text: PDF (128K)

pp. 1 - 7

published Dec 11 2005;

2. Carbon-carbon bond cleavage in norbornane derivatives. Convenient route to novel carbocyclic

rings (SK-368EP)

Subrata Ghosh and Shyamapada Banerjee

Full Text: PDF (83K)

pp. 8 - 20

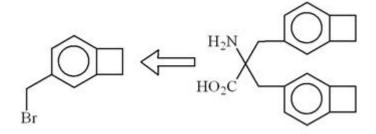
received Mar 15 2002; accepted May 18 2002; published May 26 2002;

3. Synthesis of dibenzocyclobutenylglycine derivatives (SK-383EP)

Sambasivarao Kotha, Somnath Halder and Nampally Sreenivasachary

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received Apr 15 2002; accepted Jun 3 2002; published Jun 11 2002;

4. A facile procedure for *tert*-butoxycarbonylation of amines promoted by yttria-zirconia based strong Lewis acid catalyst (SK-388EP)

Rajesh K. Pandey, Sharda P. Dagade, Rajesh K. Upadhyay, Mohan K. Dongare and Pradeep Kumar Full Text: PDF (46K)

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R = alkyl, aryl, benzyl, heterocyclic, amino acid

received Apr 21 2002; accepted Jun 10 2002; published Jun 18 2002;

5. An approach towards chiral 5-hydroxyalkyl butan-4-olides: total synthesis of (-)-muricatacin and related natural products (SK-387EP)

M. Chandrasekhar, Kusum L. Chandra and Vinod K. Singh

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received Apr 21 2002; accepted Jun 13 2002; published Jun 21 2002;

6. A synthesis of the enethiols of thioacylsilanes by the reaction of dimethyl(phenyl)silyllithium with *N,N*-dimethylthioamides (SK-501EP)

Marina Buswell and Ian Fleming

Full Text: PDF (107K)

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A review with 12 references

received May 20 2002; accepted Jun 19 2002; published Jun 27 2002;

7. Enantiospecific synthesis of (-)-4-thiocyanatoneopupukeanane (SK-394EP)

A. Srikrishna and Santosh J. Gharpure

Full Text: PDF (103K)

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received May 7 2002; accepted Jun 20 2002; published Jun 28 2002;

8. Regioselective protection of myo-inositol orthoesters Â- recent developments (SK-397ER)

M. S. Shashidhar
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9. Solvent-free, catalyst-free Michael-type addition of amines to electron-deficient alkenes (SK-390EP)

Brindaban C. Ranu, Suvendu S. Dey and Alakananda Hajra

Full Text: PDF (46K)

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RRINH +
$$\begin{bmatrix} Y \\ -\text{neat} \end{bmatrix}$$

Rl $\begin{bmatrix} N \\ R \end{bmatrix}$

Y = CN, CO₂R², COR³ (17 examples)

received May 1 2002; accepted Jun 30 2002; published Jul 8 2002;

10. Synthesis of calicoferol E (SK-389EP)

Tej Vir Singh, Raminder Kaur, Keshav Rai Agnihotri and Manoj Bali

Full Text: PDF (198K)

pp. 82 - 90

received Apr 25 2002; accepted Jun 30 2002; published Jul 8 2002;

11. Chiron approaches to polyhydroxylated piperidines: promising glycosidase inhibitors (SK-393EP)

Dilip D. Dhavale, Vijaya N. Desai, Nabendu N. Saha and Jayant N. Tilekar

Full Text: PDF (152K)

pp. 91 - 105

received May 3 2002; accepted Jul 6 2002; published Jul 14 2002;

12. Reactions of 1,3-diazabuta-1,3-dienes with ketenes — How crucial are the steric factors/conformational preferences in influencing reaction pathways? (SK-382EP)

Alka Marwaha, Amit Anand, R. Senthil Kumar and M. P. Mahajan

Full Text: PDF (73K)

pp. 106 - 115

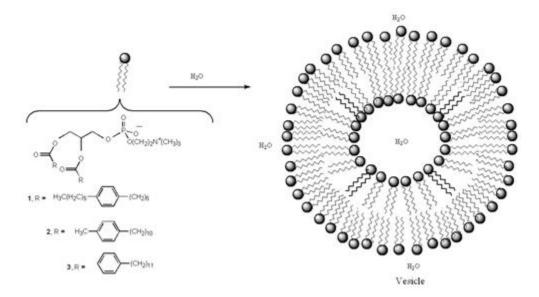
received Apr 12 2002; accepted Jul 19 2002; published Jul 27 2002;

13. Phospholipids with fatty acid chains containing aromatic units at various depths (SK-378EP)

M. Subramanian, V. Praveen Kumar and Santanu Bhattacharya

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pp. 116 - 125



received Apr 3 2002; accepted Aug 6 2002; published Aug 14 2002;

14. Ytterbium triflate (and trimethylsilyl triflate) catalyzed isomerization of glycidic esters to α -hydroxy- β , γ -unsaturated esters and their conversion into cyclopentanoids using Johnson-Claisen rearrangement (SK-386EP)

R. Kumareswaran, Shatrughan P. Shahi, Shikha Rani, Anshu Gupta, K. P. Madhusudanan and Yashwant D. Vankar

Full Text: PDF (135K)

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$$\begin{cases} \begin{array}{c} CO_2Et \\ H_a \end{array} & \text{a or b} \\ \end{array} \begin{cases} \begin{array}{c} OH \\ CO_2Et \end{array} \\ \\ \begin{array}{c} a: \text{Yb(OTf)}_3 \text{ / CH}_2CI_2 \\ \text{b: TMSOTf / CH}_2CI_2 \end{array} \end{cases}$$

received Apr 19 2002; accepted Aug 7 2002; published Aug 15 2002;

15. Methanolic trimethylamine mediated Baylis-Hillman reaction (SK-514EP)

Deevi Basavaiah, Anumolu Jaganmohan Rao and Marimganti Krishnamacharyulu

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EMPTY

received Jun 3 2002; accepted Aug 14 2002; published Aug 22 2002;

16. Preparation of aryl benzyl ketones by [1,2]-Wittig rearrangement (SK-533EP)

Alan R. Katritzky, Yuming Zhang and Sandeep K. Singh

Full Text: PDF (47K)

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$$Ar \xrightarrow{Bt} Ar'$$
 Ar'
 Ar'
 Ar'
 Ar'
 Ar'
 Ar'
 Ar'
 Ar'

Bt = benzotriazol-1-yl

received Jul 11 2002; accepted Aug 28 2002; published Sep 5 2002;

17. New synthetic methods using the TiCl₄-NR₃ reagent system (SK-395EP)

Mariappan Periasamy

Full Text: PDF (112K)

pp. 151 - 166

received May 8 2002; accepted Sep 4 2002; published Sep 12 2002;

18. Catalytic, enatioselective Michael addition reactions (SK-505ER)

S. C. Jha and N. N. Joshi
Full Text: PDF (229K)

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NuH +
$$\frac{Z}{Chiral \ catalyst}$$
 Nu = PhS, CH₂CN, CH₂NO₂, (CO₂R)₂CH, $\frac{Ph}{RO_2C}$ etc. $Z = CO, CN, NO_2, CO_2R, CONR_2, COR \ etc.$

received May 28 2002; accepted Sep 12 2002; published Sep 20 2002;

19. Cascade radical cyclization of polyolefinic vinyl iodides: comparison between 5-exo and 6-endo cyclization of vinyl radicals (SK-537EP)

Soumen Maiti, Kiyosei Takasu, Akira Katsumata, Jun-ichi Kuroyanagi and Masataka Ihara

Full Text: PDF (165K)

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radical conditions
$$n = 1$$
 CO_2Me
radical conditions
 $n = 1$
 S -exo, 5-exo, 5-exo
cascade cyclization

radical conditions
 $n = 2$
 CO_2Me
 G -endo, 6-endo, 6-exo
cascade cyclization

received Jul 18 2002; accepted Sep 11 2002; published Sep 19 2002;

20. Asymmetric Michael addition reaction using a chiral catalyst containing amino diol (SK-385EP)

N. Prabagaran, Susan Abraham and G. Sundararajan

Full Text: PDF (180K)

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received Apr 18 2002; accepted Oct 4 2002; published Oct 12 2002;