ARKIVOC Volume 2015

Part (iv): Special Issue 'In recognition of the scientific achievements of Prof. Manfred Schlosser'

Facilitator: Florence Mongin Scientific Editor: Bert Maes

1. A tribute to Prof. Manfred Schlosser (MS-1465BT)

Florence Mongin, Renzo Ruzziconi and Qian Wang

Full Text: PDF (650K)

pp. 1 - 8

published Sep 17 2014;

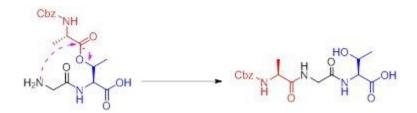
2. Ligations of O-acyl threonine units to give native peptides *via* 5-, 8-, 9- and 10-membered cyclic transition states (MS-8796BP)

Siva S. Panda, Sumaira Liaqat, Anand D. Tiwari, Hadi M. Marwani, Hassan M. Faidallah, Abdul Rauf, C. Dennis Hall and the late Alan R. Katritzky

Full Text: PDF (508K)

Supplementary Material: PDF (784K)

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received Jun 6 2014; accepted Sep 8 2014; published Sep 19 2014;

3. Directed lithiation of simple aromatics and heterocycles for synthesis of substituted derivatives (MS-8744BR)

Gamal A. El-Hiti, Keith Smith, Amany S. Hegazy, Mohammed B. Alshammari and Ali M. Masmali

Full Text: PDF (297K)

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received Apr 25 2014; accepted Aug 16 2014; published Sep 23 2014;

4. Substituent effects on the relative rates and free energies of *ortho*-lithiation reactions: families of fluorobenzenes as the substrates (MS-8926BP)

Florence Mongin, Christophe Curty, Elena Marzi, Frederic R Leroux and Manfred Schlosser Full Text: PDF (158K)

pp. 48 - 65

$$\begin{array}{c|c}
F \\
X \\
\downarrow \\
K_{rel}
\end{array}$$

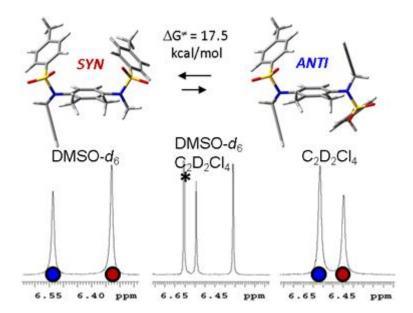
received Sep 10 2014; accepted Dec 13 2014; published Feb 25 2015;

5. Structure and conformational dynamics of an aromatic sulfonamide: NMR, X-Ray and computational studies (MS-8974BP)

Stefano Menichetti, Chiara Biagioli, Caterina Viglianisi, Lorenzo Tofani, Lodovico Lunazzi, Michele Mancinelli and Andrea Mazzanti

Full Text: PDF (878K)

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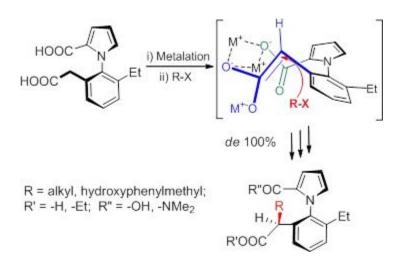
6. Synthesis of new, optically active 1-(substituted aryl)pyrrole derivatives via atropisomerism directed diastereoselective metalation (MS-9023BP)

Angelika Thurner, Bernadett Vas-Feldhoffer, \tilde{A} %va Bottka, Tam \tilde{A} is Holczbauer, Mikl \tilde{A} 3s Nyerges and Ferenc Faigl

Full Text: PDF (260K)

Supplementary Material: PDF (20K)

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7. Regioselective inverse Diels-Alder reaction of unsymmetrical tetrazines with aldehydes and ketones (MS-8957BP)

Enoch A. Adogla, Yanmei Xu, Honglin Li, Guiren Wang and Qian Wang

Full Text: PDF (136K)

Supplementary Material: PDF (302K)

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received Oct 7 2014; accepted Feb 21 2015; published Apr 25 2015;

8. Triethylamine and TBD supported on silica: useful heterogeneous catalysts for the reaction of β -dicarbonyl derivatives with α , β -unsaturated compounds under batch and continuous flow conditions (MS-9025BP)

Raimondo Maggi, Calogero G. Piscopo and Giovanni Maestri

Full Text: PDF (121K)

pp. 107 - 116

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9. Preparation of gem-difluorinated retrohydroxamic-fosmidomycin (MS-8846BP)

Jean-NoëI Volle, Camille Midriera, Vincent Blanchard, Ralf Braun, Klaus Haaf, Lothar Willms, Jean-Luc Pirata and David Virieux

Full Text: PDF (171K)

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$$(HO)_2 \stackrel{\bigcirc}{P} \longrightarrow 0 \stackrel{(HO)_2 \stackrel{\bigcirc}{P}}{\longrightarrow} \stackrel{\bigcirc}{P} \stackrel{\bigcirc}{P} \longrightarrow 0 \stackrel{\bigcirc}{H}$$

Retrohydroxamic-Fosmidomycin 1c

gem-Difluorinated analogue 4

10. An interesting sidetrack in the tofisopam synthesis: lithium variant of a stereospecific Oppenauer oxidation (MS-8964BP)

Erika Molnárné Samu, Gyula Simig, Judit Halász and Balázs Volk

Full Text: PDF (99K)

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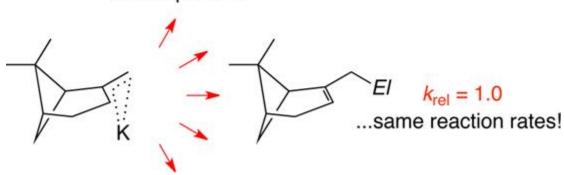
11. Are reactions between allylpotassiums and halotrimethylsilanes diffusion-controlled? (MS-9019BP)

Eric Masson and Manfred Schlosser

Full Text: PDF (133K)

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different electrophiles...



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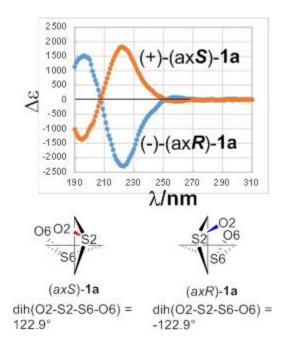
12. First observable CD spectra from $n-\sigma^*$ excitation: TD-DFT calculation and determination of absolute configuration of 2,6-dithiaspiro[3.3]heptane 2,6-dioxide (MS-8826BP)

Yuji Naruse and Yousuke Hasegawa

Full Text: PDF (348K)

Supplementary Material: PDF (16K)

pp. 151 - 160



received Jul 1 2014; accepted May 12 2015; published Jun 16 2015;

13. Synthesis, stereochemical characteristics, and coordination behavior of **2,2Â**′-binaphthyl-**1,1Â**′-biisoquinoline as a new axially chiral bidentate ligand (MS-9069BP)

Takahiro Kawatsu, Hiroki Tokushima, Yuya Takedomi, Tatsushi Imahori, Kazunobu Igawa, Katsuhiko Tomooka and Ryo Irie

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$$(R_a)^{-1} (>98\% \text{ ee})$$

$$(\alpha R_a, \beta R_a, \gamma R_a)^{-}(+) \text{-BINIQ}$$

$$(\alpha R_a, \beta R_a, \gamma R_a)^{-}(+) \text{-BINIQ}$$

$$(>98\% \text{ ee})$$

$$(\alpha R_a, \beta R_a, \gamma R_a)^{-}(+) \text{-BINIQ}$$

$$(>98\% \text{ ee})$$

$$(\alpha R_a, \beta R_a, \gamma R_a)^{-}(+) \text{-BINIQ}$$

$$(>98\% \text{ ee})$$

$$(\alpha R_a, \beta R_a, \gamma R_a)^{-}(+) \text{-BINIQ}$$

$$(>98\% \text{ ee})$$

$$(\alpha R_a, \beta R_a, \gamma R_a)^{-}(+) \text{-BINIQ}$$

$$(>98\% \text{ ee})$$

received Dec 1 2014; accepted Apr 5 2015; published Jul 6 2015;