1. Effective C-N bond formation on the 1-methyl-2-quinolone skeleton (05-1217EP)

Motoki Asahara, Moriaki Nagamatsu, Yasuo Tohda, Nagatoshi Nishiwaki and Masahiro Ariga

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received Sep 12 2004; accepted Oct 1 2004; published Oct 25 2004;

2. 4-(4-Chloro-phenyl)-pyrimidinium ylides. 1. Structure, stability, reactivity (05-1206BP)

Costel C. Moldoveanu, Geanina C. Mangalagiu, Gheorghita N. Zbancioc Maria C. Caprosu, Ionel I. Mangalagiu

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$$Br \overset{C_6H_4Clp}{\bigoplus} \overset{C_6H_4C$$

received Sep 3 2004; accepted Oct 4 2004; published Oct 25 2004;

3. Water as catalyst and solvent: Tetrahydropyranylation of alcohols in an aqueous medium (05-1193BP)

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4. Cr-salen mediated asymmetric epoxidation of alkenes: Rational complex design and substrate scope of catalyst (05-1213CP)

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$$R_1 = R_2$$

$$R_2 = R_3$$

$$R_1 = R_2$$

$$R_3 = R_3$$

$$R_4 = R_3$$

$$R_5 = R_4$$

$$R_7 = R_3$$

$$R_8 = R_3$$

$$R_8 = R_3$$

$$R_8 = R_8$$

$$R_8$$

received Sep 7 2004; accepted Oct 14 2004; published Oct 26 2004;

5. Synthesis of spirolactams via Diels-Alder addition of 1,3-butadienes to an α -methylene lactam (05-1226CP)

Daryl Crimmins, Michael Trzoss and Margaret A. Brimble

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6. Microwave assisted rapid synthesis of 4-amino-3, 4-dihydroquinolin-2-ones from azetidin-2-ones (05-1219JP)

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7. Synthesis of disubstituted- and deoxydisubstituted- derivatives of α -D-xylofuranose as anticancer agents (05-1286BP)

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received Nov 25 2004; accepted Dec 29 2004; published Jan 4 2005;

8. Synthesis and antimicrobial activities of some new [1,2,4]triazolo[3,4-b][1,3,4]thiadiazoles and [1,2,4]triazolo[3,4-b] [1,3,4]thiadiazines (05-1248EP)

Neslihan Demirbas, Seng \tilde{A} ¼l Alpay Karaoglu, Ahmet Demirbas, Elif \tilde{A} ‡elik

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9. A new protocol for pyrrole synthesis by a combination of ring-closing metathesis and *in situ* oxidative aromatization (05-1297CP)

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received Dec 8 2004; accepted Jan 7 2005; published Jan 12 2005;

10. Kinetic studies on the reaction between substituted benzyl phosphonates and substituted benzaldehydes (05-1242GP)

Zheng-Kai Li, Chun He, Meng Yang, Chuan-Qin Xia, Xiao-Qi Yu

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$$(EtO)_{2}PCH \longrightarrow X + OHC \longrightarrow Y \longrightarrow k_{1} \qquad (EtO)_{2}P \longrightarrow CH \longrightarrow X$$

$$(EtO)_{2}PCH \longrightarrow X \longrightarrow Y$$

$$(EtO)_{2}PCH \longrightarrow X$$

received Oct 8 2004; accepted Jan 8 2005; published Jan 18 2005;

11. Enviro-economic, facile, one-pot synthesis of novel spiro[pyrazolo [4,3-c] [1,5] benzothiazepines] using microwave irradiation (05-1189CP)

Anshu Dandia, Meha Sati, Kapil Arya, Rekha Sharma and André Loupy

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received Jun 22 2004; accepted Jan 8 2005; published Jan 18 2005;

12. Oxidative cyclization of aldehyde thiosemicarbazones induced by potassium ferricyanide and by tris(*p*-bromophenyl)amino hexachloroantimoniate. A joint experimental and computational study (05-1281CP)

Paolo Lo Meo, Michelangelo Gruttadauria and Renato Noto

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13. Aziridination and amidation reaction mediated by polymer-supported metalloporphyrins with Phl(OAc)₂ and TsNH₂ (05-1270AP)

Zhi-Wang Zhou, Yuan-Cong Zhao, Yang Yue, Jiang Wu, Meng Yang, Xiao-Qi Yu

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received Nov 4 2004; accepted Jan 29 2005; published Feb 10 2005;

14. One-pot synthesis of 2-amino-3-cyanopyridine derivatives under microwave irradiation without solvent (05-1321KP)

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