ARKIVOC Volume 2010

Part (vi): Commemorative Issue in Honor of Prof. Franklin A. Davis on the occasion of his 70th anniversary

Facilitator: Kavirayani R. Prasad Scientific Editor: Christian V. Stevens

1. A Tribute to Prof. Franklin A. Davis (FD-1443JT)

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published Oct 6 2009;

2. Explorations on the total synthesis of $(\hat{A}\pm)$ -isoschizogamine using an intramolecular 1,4-dipolar cycloaddition strategy (FD-4079JP)

Albert Padwa, Drew R. Bobeck and Edwin M. Mmutlane

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received May 18 2009; accepted Aug 30 2009; published Oct 18 2009;

3. Attempted cycloaromatization of α -arylmethyl sulfones with 2-bis(methylthio)methylene-1-teralone: unexpected formation of 2-aryl-3-(methylthio)-4,5-dihydronaphtho[1,2-b]furans (FD-4240JP)

Sukumar Nandi, Sarvesh Kumar, Hiriyakkanavar Ila and Hiriyakkanavar Junjappa

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SMe SMe SO₂Ph SO₂Ph
$$\frac{1 \cdot \text{KO}t \cdot \text{Bw}\text{THF}}{2 \cdot \text{H}_3\text{O}^+}$$
 O Ar O Ar

received May 26 2009; accepted Oct 31 2009; published Nov 23 2009;

4. A new and efficient preparation of 2-aminothiazole-5-carbamides: applications to the synthesis of the anti-cancer drug dasatinib (FD-4385JP)

Bang-Chi Chen, Rulin Zhao, Bei Wang, Roberto Droghini, Jean Lajeunesse, Pierre Sirard, Masaki Endo, Balu Balasubramanian and Joel C. Barrish

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5. Enantiospecific total synthesis of (+)-lentiginosine (FD-4402JP)

Kavirayani R. Prasad and Amit B. Pawar

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6. Palladium acetate catalyzed cyanation of aryl halides using BuchwaldÂ's **2-(di-***t*-butylphosphino)-**1,1Â'-binaphthyl** (FD-4419JP)

Bei Wang, Bei Wang, Rulin Zhao, Bang-Chi Chen and Balu Balasubramanian

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7. Synthesis of 2-substituted-6-hydroxy and 6-methoxy benzothiazoles from 1,4-benzoquinone (FD-4181JP)

Giuseppe Meroni, Mehdi Rajabi, Paolo Ciana, Adriana Maggi and Enzo Santaniello

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$$R^{1}O$$
 $R^{1}O$
 R^{2}

received Jun 23 2009; accepted Oct 31 2009; published Dec 6 2009;

8. Tetramic acids and derivatives by telluride-triggered Dieckmann cyclizations (FD-4500JP)

Donald C. Dittmer, Dmitry V. Avilov, Venkata Subbarao Kandula, Matthew T. Purzycki, Zachary J. Martens, Elliot B. Hohn and Matthew W. Bacler

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$$\begin{array}{c} N(R^2)COC(R^3)(R^4)Br \\ R^1 \\ \hline COOMe \\ \hline \\ -Te, -LiBr \\ \end{array} \begin{array}{c} Li_2Te, LHMDS \ (1 \ equiv) \\ \hline \\ R^1 \\ \hline \\ R^5 \\ \hline \\ R^5 \\ \hline \end{array} \begin{array}{c} R^5CI \\ \hline \\ R^5 \\ \hline \\ R^5 \\ \hline \end{array}$$

received Sep 25 2009; accepted Nov 21 2009; published Dec 9 2009;

9. An efficient synthesis of 2-amino-4-(4-fluoro-3-(2-fluoropyridin-3-yl)phenyl)-4-(4-methoxy-3-methylphenyl)-1-methyl-1*H*-imidazol-5(4*H*)-one, a potent BACE1 inhibitor (FD-4499JP)

Ping Zhou, Michael Malamas and Albert J. Robichaud

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10. Improved procedure for the preparation of 7-methoxy-2-methyl-1-(2-morpholinoethyl)-1*H*-indole-3-carboxylic acid, key intermediate in the synthesis of novel 3-amidoindole and indolopyridone cannabinoid ligands (FD-4387JP)

Rulin Zhao, Bei Wang, Hong Wu, John Hynes, Jr., Katerina Leftheris, Balu Balasubramanian, Joel C. Barrish and Bang-Chi Chen

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