ARKIVOC Volume 2002

Part (xii): Commemorative Issue in Honor of Prof. Joseph M. Muchowski on the occasion of his 65th anniversary

Facilitator: Thomas Tidwell Scientific Editor: Joachim Schantl

1. A Tribute to Prof. Joe Muchowski (JM-471FT)

Full Text: PDF (109K)

pp. 1 - 3

accepted Dec 31 2002; published Jan 8 2003;

2. Diastereoselective alkylation of a chiral 1,4-benzodiazepine-2,5-dione containing the α -phenethyl group. Attempted asymmetric synthesis of α , β -diaminopropionic acid (JM-602FP)

Amayaly Becerril , Jos \tilde{A} © Luis Le \tilde{A} ³n-Romo, Judit Avi \tilde{A} ±a, Elena Castellanos and Eusebio Juaristi Full Text: PDF (152K)

pp. 4 - 14

received Nov 13 2002; accepted Feb 20 2003; published Feb 28 2003;

3. Tandem radical addition/cyclization of 1-(2-iodoethyl)indoles and pyrroles with methyl acrylate under Fenton-type conditions (JM-606FP)

Luis D. Miranda, Raymundo Cruz-Almanza and Miriam Pavón

Full Text: PDF (62K)

pp. 15 - 22

4. Synthesis of tri- and tetramines containing two 2,3-dihydroxypyrrolidine moieties and their inhibitory activity toward α -mannosidases (JM-697FP)

Sandrine Gerber-Lemaire, Florence Popowycz, Eliazar Rodriguez-GarcÃa, Catherine Schütz, Ana T. Carmona Asenjo, Inmaculada Robina and Pierre Vogel

Full Text: PDF (171K)

pp. 23 - 37

received Feb 20 2003; accepted Apr 8 2003; published Apr 16 2003;

5. Synthesis of novel [3,2-*b*]indole fused oleanolic acids as potential inhibitors of cell proliferation (JM-583FP)

Heather J. Finlay, Tadashi Honda and Gordon W. Gribble

Full Text: PDF (98K)

pp. 38 - 46

$$\begin{array}{c} 1. \text{ CH}_2\text{N}_2 \\ \hline \text{HO} \\ \begin{array}{c} \text{H} \end{array} \\ \begin{array}{c} \text{E} \end{array} \\ \begin{array}{c} \text{CO}_2\text{CH}_3 \end{array} \\ \begin{array}{c} \text{2. PhNHNH} \\ \text{HOAc} \\ \text{3. LiI, DMF} \end{array}$$

received Oct 18 2002; accepted Apr 24 2003; published May 2 2003;

6. Asymmetric oxidation of substituted dithianes and dithiolanes by engineered yeast and *E.coli* expressing cyclohexanone monooxygenase (JM-600FP)

Margaret M. Kayser, Hongwei Zhao, Gang Chen and Anton Feicht

Full Text: PDF (161K)

pp. 47 - 62

received Nov 9 2002; accepted Apr 28 2003; published May 6 2003;

7. Reaction of ketene and [dimethyl(phenyl)silyl]ketene with the aminoxyl radical TEMPO: preparative, kinetic, and theoretical studies of unreactive ketenes (JM-597FP)

Annette D. Allen, Huda Henry-Riyad and Thomas T. Tidwell

Full Text: PDF (78K)

pp. 63 - 74

$$CH_2=C=O \xrightarrow{TO \cdot} H_2 \stackrel{\bullet}{C} \xrightarrow{O} \xrightarrow{TO \cdot} TOCH_2CO_2T$$
 $TO \cdot = \xrightarrow{O} \stackrel{\bullet}{O} \stackrel{\bullet}{C}$

received Nov 1 2002; accepted May 29 2003; published Jun 6 2003;