Contents

Corrigendum

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The authors of this Communication wish to cite additional papers relevant to their work. Burkart and co-workers reported the synthesis of the undecenolide core of mycolactone by ring-closing metathesis. This synthesis of a highly functionalized 12-membered macrolide core is related to that reported by the authors. A. L. Mandel presented the synthesis of side-chain stereoisomers of pladienolide B. This synthesis is closely related to the synthetic route of the authors. The authors apologize for the unintentional oversight in not citing these two reports and wish to add these as references [5b] and [7g].

To establish the independence of their work to the above-mentioned reports, the authors would like to cite their patent as reference [35], to be added to the first sentence in concluding paragraph: "In conclusion, we have achieved the first total synthesis of pladienolides B (**2**) and D (**3**),[35] [...]"

[5] a) N. Asai, Y. Kotake, N. Fukuda, J. Niijima, T. Uehara, T. Sakai, *J. Antibiot.*, submitted; b) for side-chain stereochemistry, see A. L. Mandel, M. D. Burkart, Abstracts of papers, 232nd ACS National Meeting, San Francisco, CA, USA, September 10–14, **2006**, ORGN-693.

[7] For previous examples of the use of RCM for construction of 12-membered aliphatic macrolides, see a) A. Fürstner, K. Langemann, *Synthesis* **1997**, 792–803; b) A. Fürstner, T. Müller, *J. Am. Chem. Soc.* **1999**, *121*, 7814–7821; c) S. Sasmal, A. Geyer, M. E. Maier, *J. Org. Chem.* **2002**, *67*, 6260–6263; d) M. D. Ronsheim, C. K. Zercher, *J. Org. Chem.* **2002**, *67*, 1878–1885; e) X. Wang, J. A. Porco, Jr., *Angew. Chem.* **2005**, *117*, 3127–3131; *Angew. Chem. Int. Ed.* **2005**, *44*, 3067–3071; f) M. Prakesch, U. Sharma, M. Sharma, S. Khadem, D. M. Leek, P. Arya, *J. Comb. Chem.* **2006**, *8*, 715–734; g) M. D. Alexander, S. D. Fontaine, J. J. La Clair, A. G. DiPasquale, A. L. Rheingold, M. D. Burkart, *Chem. Commun.* **2006**, *44*, 4602-4604.

[35] R. M. Kanada, D. Itoh, T. Sakai, N. Asai, Y. Kotake, J. Niijima, PCT Int. Appl. WO 2007/043621 (US60/727845, JP2005-299228).

