Supporting Material for:

Multiple Component Reactions: An Efficient Nickel Catalyzed Reformatsky-Type Reaction and its Application in the Parallel Synthesis of β -Amino Carbonyl Libraries

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The following compounds are not commercially available and were prepared as described in the literature:

- 1) Vloon, W. J.; Kruk, C.; Pandit, U. K.; Hofs, H. P.; McVie, J. G. *J. Med. Chem.* **1987**, *30*, 20-24.
- 2) Meckelke, M. F.; Meyers, A. I. *Tetrahedron Lett.* **2000**, *41*, 4339-4342.
- 3) Bartlett, P. A.; Carruthers, N. I.; Winter, B. M.; Long, K. P. *J. Org. Chem.* **1982**, *47*, 1284-1291.
- 4) Berque, I.; Le Ménez, P.; Razon, P.; Mahuteau, J.; Férézou, J.-P.; Pancrazi, A.; Ardisson, J.; Brion, J.-D. *J. Org. Chem.* **1999**, *64*, 373-381.
- 5) Hodson, H. H.; Kershaw, A. *J. Chem. Soc.* **1930**, 497-501.

Aa1 **Aa1 Mass**

Aa2 **Aa2 Mass**

Aa3 **Aa3 Mass**

Aa4 **Aa4 Mass**

Ab1 **Ab1 Mass**

Ab2 **Ab2 Mass**

Ab3 **Ab3 Mass**

Ab4 **Ab4 Mass**

Ac1 **Ac1 Mass**

Ac2

Ac3 **Ac3 Mass**

Ac4 **Ac4
Mass**

Ad1 **Ad1 Mass**

Ad2

Ad2 Mass

Ad3

Ad3 Mass

Ab4

Ad4 Mass

Ba1

Ba2 **Ba2 Mass**

Ba3 **Ba3 Mass**

Ba4 **Ba4 Mass**

Bb1 **Bb1 Mass**

Bb2 **Bb2 Mass**

Bb3 **Bb3 Mass**

Bb4 **Bb4 Mass**

Bc1 **Bc1 Mass**

Bc2 **Bc2 Mass**

Bc3 **Bc3 Mass**

Bc4 **Bc4 Mass**

Bd1 **Bd1 Mass**

Bd2

Bd3 **Bd3 Mass**

Bd4

Ca1 **Ca1 Mass**

Ca2 **Ca2 Mass**

Ca3

Ca4 **Ca4 Mass**

Cb1 **Cb1 Mass**

Cb2 **Cb2 Mass**

Cb3 **Cb3 Mass**

Cb4 **Cb4 Mass**

Cc1

Cc2 **Cc2 Mass**

Cc3 **Cc3 Mass**

Cc4 **Cc4 Mass**

Cd1

Cd1 Mass

Cd2 **Cd2 Mass**

Cd3 **Cd3 Mass**

Cd4

Da1 **Da1 Mass**

Da2 **Da2 Mass**

Da3 **Da3 Mass**

Da4

Da4 Mass

Db1 **Db1 Mass**

Db2 **Db2 Mass**

Db3 **Db3 Mass**

Db4 **Db4 Mass**

Dc1 **Dc1 Mass**

Dc2

Dc3 **Dc3 Mass**

Dc4 **Dc4 Mass**

Dd1 **Dd1 Mass**

Dd2 **Dd2 Mass**

Dd3

Dd3 Mass

Dd4 **Dd4 Mass**