Andreana Group

Group meeting problem set

04/26/2019

Credit- Fukuyama Group

M. C. Kozlowski et al., Angew. Chem. Int. Ed., 51, 2448 (2012)

2

CO₂Me + CO₂Me KOt-Bu K₂CO₃ MeNH₂

NHBoc THF, rt acetone, 40 °C THF, 100 °C

90% 73% 61%

Ph

CO₂Me

J. Christoffers et al., Eur. J. Org. Chem., 1809 (2012)

3

LDA (2.6 eq)
THF, 0 °C;
PBu₃
OEt

N₃
45 °C

-78 °C to rt

64%

57%

P. Langer et al., Chem. Commun., 3044 (2003)

4

Ph Br MeMgBr Et₂O, 0 °C to rt;

CH₂Cl₂-TFA-H₂O CH₂Cl₂-Et₂O TMSOTf, rt;
reflux 1 M HCl aq.

50% (2 steps) 55%

J. S. Johnson et al., Org. Lett., 12, 944 (2010)

3,
$$\frac{1}{100}$$
 $\frac{1}{100}$ \frac